OLYMPUS®

DIGITAL CAMERA

Stylus Verve S

μ-mini DIGITAL S

Advanced Manual

Detailed explanations of all the functions for getting the most out of your camera.

Basic Operation

Basic Shooting

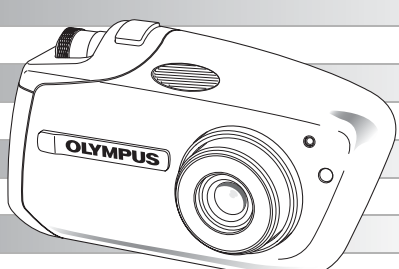
Advanced Shooting

Playing Back

Printing

Online Pictures

Camera Settings

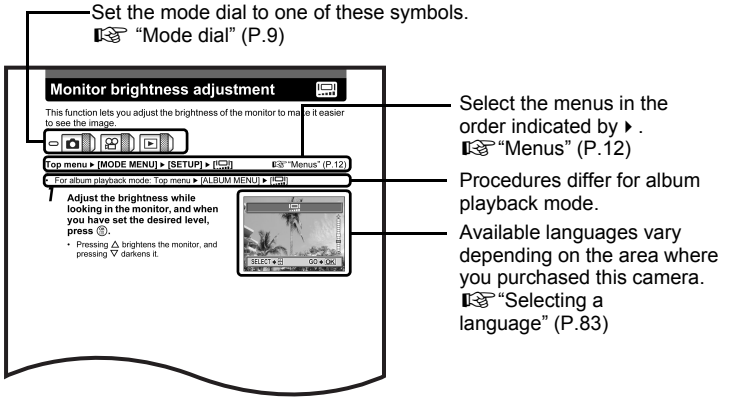


- Thank you for purchasing an Olympus digital camera. Before you start to use your new camera, please read these instructions carefully to enjoy optimum performance and a longer service life. Keep this manual in a safe place for future reference.
- We recommend that you take test shots to get accustomed to your camera before taking important photographs.
- In the interest of continually improving products, Olympus reserves the right to update or modify information contained in this manual.

How to use this manual

● Indications used in this manual

A sample page is shown below to explain how to read the instructions in this manual. Look at it carefully before taking or viewing pictures. See the reference pages for further details on how to use the buttons or menus.



This sample page is only for your reference. It may differ from the actual page in this manual.

Note

Important information on factors which may lead to a malfunction or operational problems. Also warns of operations that should be absolutely avoided.

TIPS

Useful information and hints that will help you get the most out of your camera.

☞

Reference pages describing details or associated information.

● Basic and Advanced Manuals

The instruction manual accompanying this camera is divided into two parts: the Basic Manual and the Advanced Manual (this document).

Basic Manual	This manual helps you get used to the camera. It gives you easy-to-follow explanations on how to take pictures and view them.
Advanced Manual	This manual introduces you to the camera's many functions after you have mastered the basics. It will help you to use the camera's capabilities to take much more creative pictures, with more fun!

Composition of the manual

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You'll find important points for getting the most out of your camera here. Read this part before taking pictures.	**Basic operation**	P.8
	Tips before you start taking pictures	P.17
Explanation of techniques from basic to advanced, giving you an understanding of all the functions related to taking pictures.	**Basic shooting functions**	P.25
	Advanced shooting functions	P.36
	Additional shooting functions	P.44
To view, edit and sort the pictures you have taken.	**Playback**	P.53
Settings to make your camera easier to use.	**Settings**	P.81
To print the pictures you have taken.	**Printing pictures**	P.92
To enjoy the pictures you have taken on a computer. To use OLYMPUS Master.	**Connecting the camera to a computer**	P.108
Troubleshooting. For when you want to know the names of parts, see a list of menus, or find what you are looking for.	**Appendix**	P.124
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The title page of each chapter gives a short description of the contents. Be sure to check it out.

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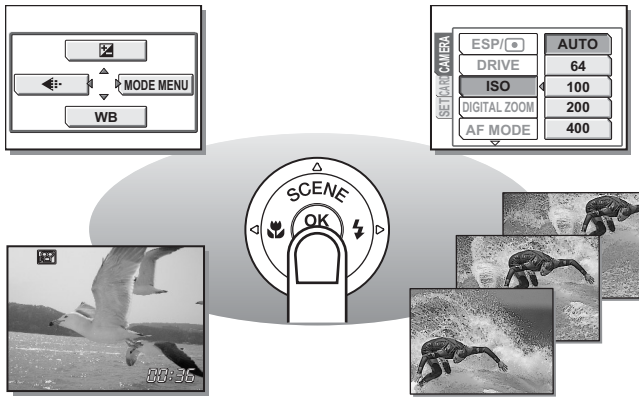
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1 Basic operation

Did you ever feel that advanced shooting and editing functions are only for professional photographers?
With their experience and skill, they can make all kinds of fine adjustments to achieve a variety of effects.
Now you too can achieve such effects simply by using the buttons on your digital camera. You can use the advanced functions available on your camera by setting the menu items to adjust the amount of light passing through the aperture or altering the focusing range.
Just display a menu on the monitor and use the buttons to choose a setting. Familiarize yourself with the buttons and menus before reading the explanations of the various functions.

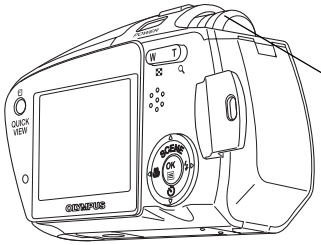


Movies

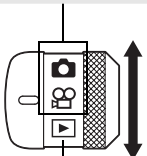
Sequential shooting

Mode dial

This camera features a mode dial for selecting the camera's mode. The modes are divided into shooting and playback modes. Select the mode you want, then press the **POWER** switch to turn the camera on.



Shooting modes
Set the mode dial to take pictures or movies.



Playback mode
Set the mode dial to this position to view individual pictures and movies.

● About the mode dial

Shooting modes	📷	This function allows you to take still pictures.
	🎥	This function allows you to record movies with sound. ☞P.45
Playback mode	▶	This function allows you to view still pictures and movies. You can also playback pictures from your albums and sound. ☞P.54, 58

? *TIPS*

- You can change the mode before and after turning the camera on.

Mode dial notation

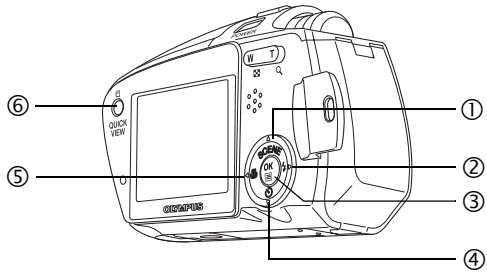
In this manual, the following icons indicate the mode dial position for using shooting mode functions.

This indicates that the function is used with the mode dial set to 🎥.

This indicates that the function is used with mode dial set to 📷 or 🎥.

Direct buttons

By using the direct buttons, operating the camera is even easier.



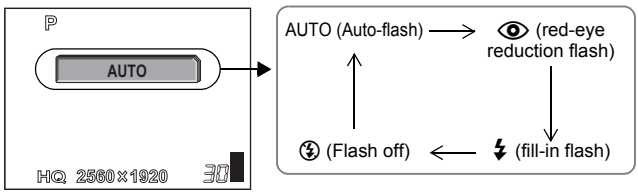
① △SCENE button

In 📷 mode, △SCENE lets you select the optimum settings for the shooting conditions for the camera. ☞"Selecting a shooting mode according to the situation" (P.26)



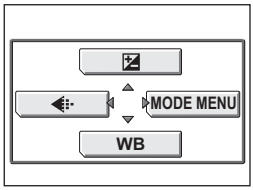
② ▷ϟ (Flash mode) button

In 📷 mode, press ▷ϟ repeatedly to change the setting. The setting changes in the following order with each press of the button. ☞"Flash shooting" (P.34)



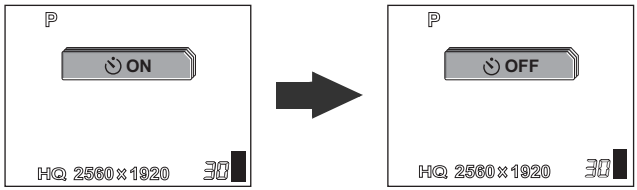
③ ⓞ button

Pressing ⓞ displays the top menu. ☞"Menus" (P.12)



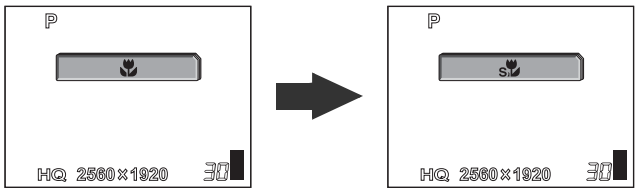
④ ▽ (Self-timer) button

In shooting modes, press ▽ repeatedly to change the setting. The setting alternates between [ON] and [OFF]. ☞"Self-timer shooting" (P.48)



⑤ ◁ (Macro) button

In shooting modes, press ◁ repeatedly to change the setting. The setting switches between [], [], and [OFF].
☞"Taking close-up pictures (macro/super macro mode)" (P.32)



⑥ **QUICK VIEW** button/ (Album playback) button

In shooting modes, pressing the **QUICK VIEW** button displays the last picture taken on the monitor. All the functions in normal playback mode are available. ☞"Playback" (P.53)
To return to shooting mode for taking the next picture, press the **QUICK VIEW** button or press the shutter button halfway.

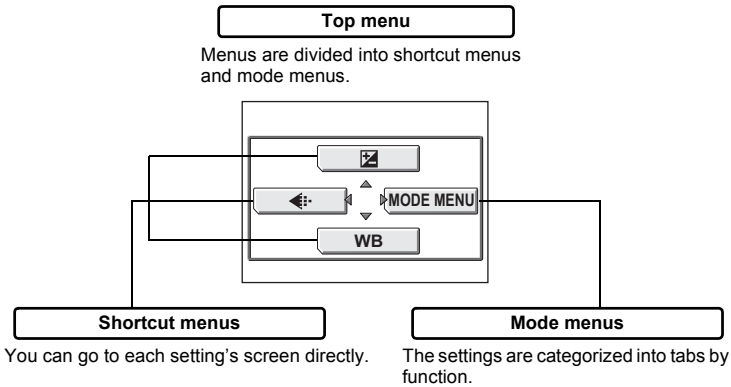
In playback mode, press the button to enable album playback mode. The album selection screen is displayed on the monitor.
☞"Playing back albums" (P.59)
To return to normal playback mode, press the button again.

Menus

Press ⓞ to display the menu on the monitor.

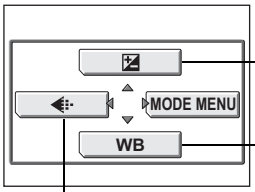
About the menus

The menu items that can be used differ depending on the mode.



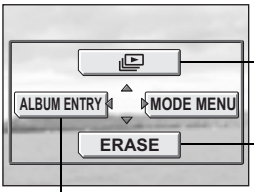
Shortcut menus

Shooting still pictures/movies



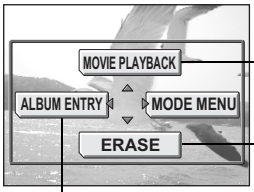
☞P.40
☞P.41
☞P.21

Playback still pictures



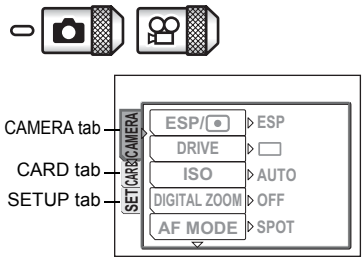
☞P.56
☞P.79
☞P.60

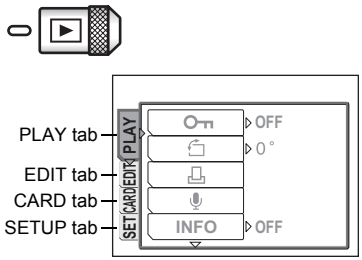
Playback movies



☞P.58
☞P.79
☞P.60

Mode menus





CAMERA tab	For setting shooting-related functions.
CARD tab	For formatting the memory card.
SETUP tab	For setting basic camera functions and ease of use features.

PLAY tab	For setting playback-related functions.
EDIT tab	For editing saved pictures.
CARD tab	For formatting cards and erasing all image data.
SETUP tab	For setting basic camera functions and ease of use features.

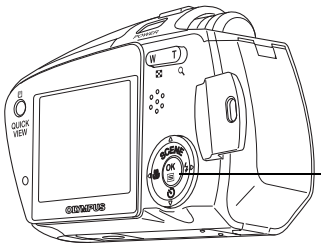
TIPS

- In mode, the mode menu differs in shooting mode and in playback mode. For details, see “Menu list” (P.141).
- For details on mode menu items in shooting mode/playback mode, see “Menu list” (P.141).

How to use the menus

Use the arrow pad and ⓞⓚ to select and set the menu items.
Follow the operation guide on the screen and use the arrow pad to set the items.
How to use the menus is shown below.

Ex: Setting Shutter sound



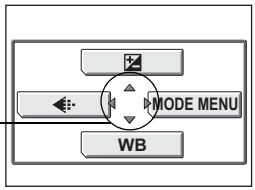
1 **Press ⓞⓚ in 📷 mode.**

- The top menu is displayed.

2 **Press ▷ to select [MODE MENU].**

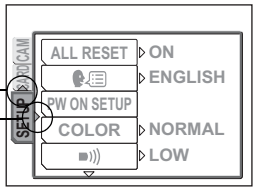
This refers to the arrow pad (△▽◁▷).

Top menu



3 **Press △▽ to select the [SETUP] tab, then press ▷.**

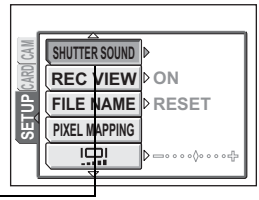
- Refer to the arrows on the screen to select a setting with the arrow pad.



This refers to the arrow pad (△▷).

4 Press △▽ to select [SHUTTER SOUND], then press ▷.

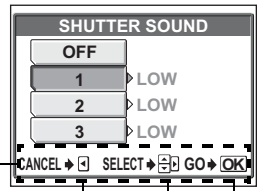
- Refer to the arrows on the screen to select a setting with the arrow pad.
- Unavailable settings cannot be selected.



The selected item appears indented.

5 Press △▽ to select [OFF], [1], [2] or [3] then press ▷.

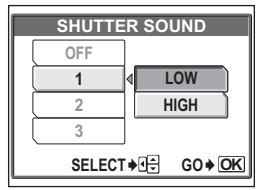
- Follow the operation guide at the bottom of the screen and use the arrow pad to select and set a setting.



Operation guide
Press ◁ to cancel.
Press △▽ to select a setting.
Press ▷ to move settings.
Press (OK) to make your selection.

6 Press △▽ and select [LOW] or [HIGH], then press (OK).

- Follow the operation guide at the bottom of the screen and use the arrow pad to select and set a setting.
- Press (OK) until the menu closes.



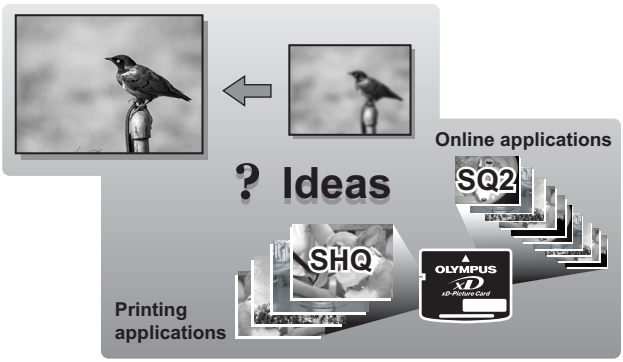
TIPS

- In this manual, Steps 1 to 5 of how to use the menus are expressed as follows: **Top menu ▶ [MODE MENU] ▶ [SETUP] ▶ [SHUTTER SOUND] ▶ [OFF] / [1] / [2] / [3]**

Tips before you start taking pictures

2

Your pictures are almost guaranteed to come out well just by setting your camera to the **P** mode and pressing the shutter button. Occasionally however you may need to focus on a difficult subject or adjust the brightness in order to get the picture to come out how you wanted...
Just knowing which button to press or which setting to change can help you solve these problems.
Did you know that by selecting an image size according to how you are planning on using the pictures afterwards, you can store more pictures on the memory card? These are just some of the hints provided in this chapter.



Holding the camera

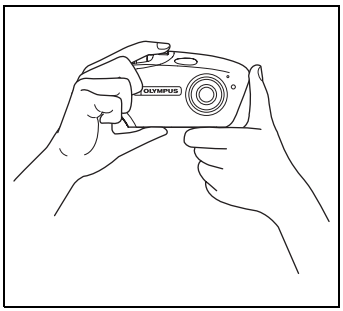
Sometimes when you look at a picture you have taken, the outline of the subject is blurred. This is often caused by movement of the camera at the precise moment that the shutter button is pressed.



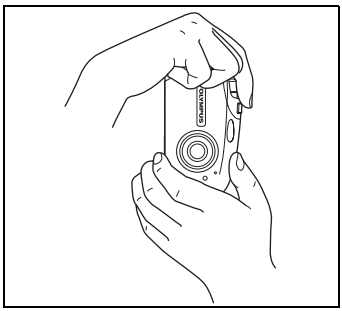
Picture where subject is not clearly defined

To prevent the camera from moving, hold the camera firmly with both hands while keeping your elbows at your sides. When taking pictures with the camera in the vertical position, hold the camera so that the flash is positioned higher than the lens. Keep your fingers and the strap away from the lens and flash.

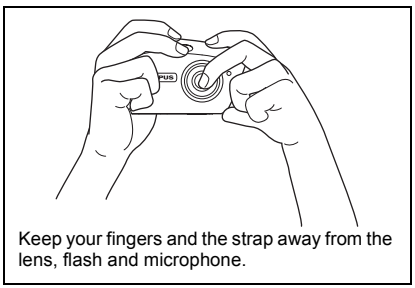
Horizontal grip



Vertical grip



Incorrect grip



Keep your fingers and the strap away from the lens, flash and microphone.

If correct focus cannot be obtained

The camera automatically detects the focus target in the frame. The level of contrast is one of the criteria it uses to detect the subject. The camera may fail to determine subjects with lower contrast than the surroundings or with an area of extremely strong contrast in the frame. If this happens, the simplest solution is to use the focus lock.

How to focus (focus lock)



1 **Position the AF target mark on the subject you want to focus on.**

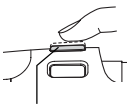
- When shooting a hard-to-focus subject or a fast-moving subject, point the camera at an object about the same distance away as the subject.



AF target mark

2 **Press the shutter button halfway until the green lamp lights.**

- When the focus and exposure are locked, the green lamp lights.
- When the green lamp blinks:

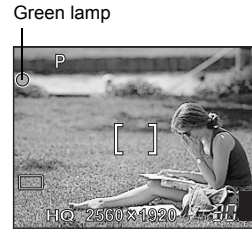


Shutter button

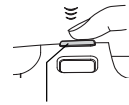
① You are too close to the subject. Take the picture at least 50 cm/20" away from the subject. When the distance from the camera to the subject is less than 50 cm/20", select the macro mode. ☞"Taking close-up pictures (macro/super macro mode)" (P.32)

② The focus and exposure are not locked. Release your finger from the shutter button, re-position the AF target mark on the subject and press the shutter button halfway again.

3 **Keeping the shutter button pressed halfway, recompose your shot.**



4 **Press the shutter button fully.**



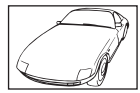
? *TIPS*

Focus on the subject in the center of the frame.
☞"AF mode" (P.37)

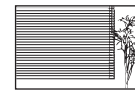
Subjects that are difficult to focus on

Under certain types of conditions, the auto focus may not work properly.

The green lamp blinks. The subject cannot be brought into focus.

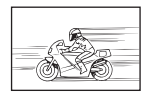

Subject with low contrast


Subject with an extremely bright area in the center of the frame


Subject without vertical lines

The green lamp lights, but the subject cannot be brought into focus.


Subjects at different distances


Fast-moving subject


The subject to be focused on is not in the center of the frame

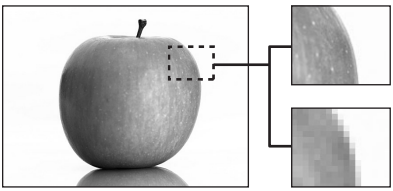
If this happens, focus on an object with high contrast at the same distance as the intended subject (focus lock), recompose your shot and then take the picture. If the subject has no vertical lines, hold the camera vertically and focus the camera using the focus lock function by pressing the shutter button halfway, then return the camera to the horizontal position while keeping the button pressed halfway and take the picture.

Record mode

You can select a record mode in which to take pictures or shoot movies. Select the best record mode for your purpose (printing, editing on a computer, website editing, etc.). For information on the image sizes for each record mode and the memory capacity of the card, see the table on P.22.

Still picture record modes

Record mode depicts the image size and compression rate of pictures you wish to record.
Pictures are made from thousands of dots (pixels). If a picture with relatively few pixels is enlarged, it looks like a mosaic. A picture with many pixels is denser and clearer, but requires a larger file size (data size), decreasing the number of pictures that can be saved on a card. Increasing the compression rate reduces the file size, but makes the pictures appear grainy.



Picture with high number of pixel

Picture with low number of pixel

Record mode	Picture quality	Image size		Usage examples
SHQ	Detailed	2560 × 1920 (Low compression)	Larger	For making large prints or editing on a computer.
HQ	Normal	2560 × 1920 (Hereafter standard compression)		For printing in postcard size.
SQ1		2048 × 1536		For printing 3" × 5" prints.
SQ2		1600 × 1200		For small prints, posting on the Internet or attaching to e-mail.
		1280 × 960		
		1024 × 768		
		640 × 480	Smaller	

Image size
The number of pixels (horizontal × vertical) used when saving an image. Save your pictures in a large image size to get clearer prints.

Compression
Image data is compressed and recorded. The higher the compression, the less clear the image will be.

Movie record modes

Movies are recorded in Motion-JPEG format.

Number of storable still pictures/remaining recording time

Still pictures

Record mode	Image size	Compression	File format	Number of storable still pictures	
				Using a 16 MB card	
				With sound	Without sound
SHQ	2560 × 1920	Low compression	JPEG	4	4
HQ	2560 × 1920	Normal compression		12	13
SQ1	2048 × 1536			19	20
SQ2	1600 × 1200			23	24
	1280 × 960			35	38
	1024 × 768			52	58
	640 × 480			76	90

Movies

Record mode	Image size	File format	Remaining recording time
			Using a 16 MB card
			With sound
HQ	320 × 240 (15 frames/sec.)	Motion-JPEG	41 sec.
SQ	160 × 120 (15 frames/sec.)		1 min. 45 sec.



Number of storable still pictures



Remaining recording time

TIPS

- When a picture is transferred to a computer, the size of the picture on the computer screen varies depending on the computer's monitor setting. For instance, a picture taken with an image size of 1,024 × 768 fills as the screen if you set the picture to 1× when the monitor setting is 1,024 × 768. However, if the monitor setting is over 1,024 × 768 (such as 1,280 × 1,024), the picture only takes up part of the screen.

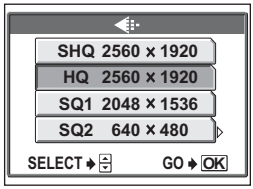
Note

- The number of storable still pictures and movie recording times listed in the table are approximate.
- The number of storable still pictures may change according to the subject or factors like whether print reservations have been made or not. In certain instances, the number of remaining pictures does not change even when you take pictures or erase stored images.

To change the record mode

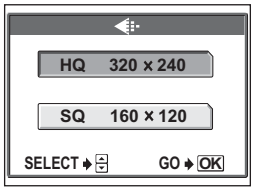
Top menu ▶ [◀:-] ☞ "Menus" (P.12)

1 **Select a record mode from [SHQ], [HQ], [SQ1] and [SQ2].**



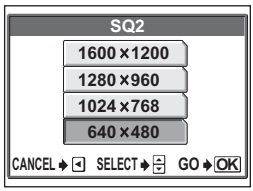
For still pictures

For movies, select a record mode from [HQ] and [SQ].



For movies

2 **If you selected [SQ2], choose an image size.**

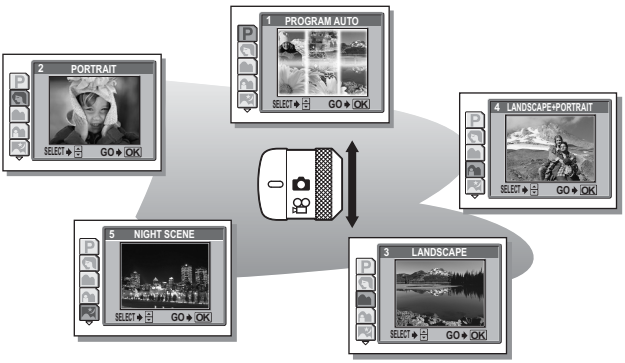


3 **Press ⊛.**

Basic shooting functions

3

A professional photographer adjusts the exposure to the optimal setting, chooses the best focusing method and even selects the type of film according to the subject.
With a digital camera, you don't need to learn how to make them. Your camera will adjust the settings for you! All you have to do is choose a scene mode, whether you are taking a landscape, a night scene, a portrait-style image or whatever, and the camera will set the best exposure and white balance.
There's nothing to it – just press the shutter button!



Selecting a shooting mode according to the situation

When you select a scene mode according to the situation or shooting conditions, the camera automatically selects the optimal settings.

● SCENE mode

P PROGRAM AUTO

All you need to do is press the shutter button. The camera automatically selects the optimal settings.

PORTRAIT

Suitable for taking a portrait-style shot of a person. This mode features an in-focus subject against a blurred background.

LANDSCAPE

Suitable for taking pictures of landscapes and other outdoor scenes. Both the foreground and the background are in focus. Since blues and greens are vividly reproduced in this mode, it is excellent for shooting natural scenery.

LANDSCAPE + PORTRAIT

Suitable for taking pictures of both your subject and the landscape. The picture is taken with the background as well as the subject in the foreground in focus. You can take pictures of your subject against a beautiful sky or landscape.

NIGHT SCENE

Suitable for shooting pictures in the evening or at night. The camera sets a slower shutter speed than is used in normal shooting. For example, if you take a picture of a street at night in **P** mode, the lack of brightness will result in a dark picture with only dots of light. In the Night Scene shooting mode, the true appearance of the street is captured.

? *TIPS*

- The camera uses slower shutter speeds when set to . The use of a tripod is recommended to prevent your pictures from being blurred by camera movement.

NIGHT+PORTRAIT

Suitable for shooting both the main subject and background at night.

? *TIPS*

- The camera uses slower shutter speeds when set to . Be sure to stabilize the camera by using a tripod.
- The flash fires in the red-eye reduction mode. ☞"Flash shooting" (P.34)

CUISINE

Lets you take beautiful pictures of food. The saturation, sharpness and contrast settings are increased to take sharp, vivid pictures of the subject.

BEACH & SNOW

Suitable for taking pictures at a beach or in snow. Lets you take beautiful pictures of scenery with sand or snow.

SELF PORTRAIT + SELF TIMER

Suitable for taking pictures while traveling. Lets you take pictures of yourself and the landscape.

BEHIND GLASS

Suitable for taking pictures of items displayed in a shop's window or through glass.

TIPS

- The flash cannot be used.

SELF PORTRAIT

Enables you to take a picture of yourself while holding the camera.

TIPS

- The zoom function is locked at the W position and cannot be changed while in self portrait mode.
- Spot metering is not available in this mode.

INDOOR

Suitable for taking pictures of the subject indoors together with the background scene. The background is reproduced clearly.

TIPS

- Record mode can only be set to SQ2: [1280 × 960], [1024 × 768] and [640 × 480].

CANDLE

The optimum mode to take a picture of candles preserving the warm light from fire.

TIPS

- The flash cannot be used.
- Record mode can only be set to SQ2: [1280 × 960], [1024 × 768] and [640 × 480].

SUNSET

Preserves the deep hues seen in sunsets and sunrises.

TIPS

- The flash cannot be used.

FIREWORKS

Lets you capture the expanding burst of light from fireworks.

TIPS

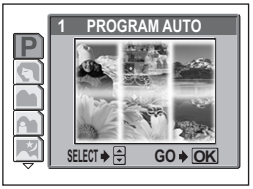
- The camera uses slower shutter speeds when set to .
 The use of a tripod is recommended to prevent your pictures from being blurred by camera movement.

Selecting a scene mode SCENE



1 **Press △SCENE.**

- The screen for selecting a scene mode is displayed.



2 **Press ▽△ to select a scene mode and press ⊛.**



- After the sample image was displayed, for what kind of shooting situation is suitable will be displayed.



Note

- Even if you change the record mode or flash mode with a scene mode other than [PROGRAM AUTO], they will return to the factory default settings when you change to another scene mode.

Zooming in on a distant subject

You can zoom in on your subject using the optical zoom and digital zoom. With the optical zoom, the image is enlarged by using the CCD when the lens magnification is changed, and the image is formed by all the CCD pixels. With the digital zoom, the area at the center of the image captured by the CCD is cropped and enlarged back to size. When you zoom in on a subject, you are essentially taking a small area of the picture and making it bigger. Therefore, the greater the magnification with the digital zoom, the grainier the resulting picture will be.

The following zoom magnifications are available on this camera.

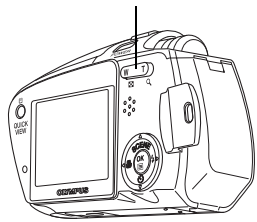
Optical zoom	2× (equivalent to 35 mm to 70 mm on a 35 mm film camera)
Optical zoom + digital zoom	Max. 8×

Note that camera movement is likely to occur at higher magnifications.

Using the optical zoom



1 **Press the zoom button.**



Zoom out:
Press the W side of the zoom button

Zoom in:
Press the T side of the zoom button



Using the digital zoom

To use the digital zoom, set [DIGITAL ZOOM] to [ON].

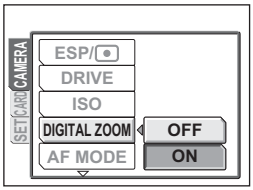


Top menu ▶ [MODE MENU] ▶ [CAMERA] ▶ [DIGITAL ZOOM]

☞"Menus" (P.12)

1 **Select [ON] and press ⊛.**

2 **Press the T side of the zoom button.**







The white area of the zoom indicator indicates the optical zoom. If the [DIGITAL ZOOM] is set to [ON], a red area appears on the zoom indicator. When you reach the limit of the optical zoom, the digital zoom is enabled.

The cursor moves up and down on the zoom indicator according to the zoom magnification.
The cursor turns orange when inside the digital zoom area.

Note

- In mode, the maximum magnification possible for digital zoom is up to 3 times.

Taking close-up pictures (macro/super macro mode)

Set the camera to macro mode when taking subjects up close (20 cm/8" to 50 cm/20").

When the optical zoom lever is at the maximum wide position and you are as close as 20 cm/8" to your subject, you can fill the entire frame with a 20.9 × 15.4 cm (8.2" × 6.0") subject.

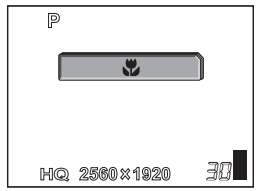
This mode lets you shoot from as close as 8 cm/3.1" to your subject. Subjects measuring approximately 4.4 × 3.3 cm (1.7" × 1.3") can be captured on the monitor. In the mode, normal shooting is also possible, but the position of the zoom is fixed automatically and cannot be adjusted.





1 Select [] or [] by repeatedly pressing ◁.

- If no operation is performed for about 2 seconds, the macro or super macro mode is set and the mode selection screen is automatically exited.



2 Press the shutter button fully to take the picture.

TIPS

The subject appears in shadow when the super macro mode is used.

→ If the center of the frame (within the AF target mark) is metered when you are close to the subject and you shoot with the optimal exposure, the picture will come out correctly. ☞"ESP/Spot metering" (P.38)

Note

- If you take pictures of your subject at a distance of more than 50 cm (20") in the macro mode, the camera will take longer than usual to focus.
- If you take pictures of your subject at a distance of more than 20 cm (7.9") in the super macro mode, the camera will take longer than usual to focus.
- If you use the flash in macro shooting, shadows may be noticeable and the appropriate exposure may not be obtained.
- During super macro shooting, the zoom and flash are not available.

Flash shooting

Select the flash mode best suited to the light conditions and the effect you want to achieve. You can also adjust the amount of light emitted using the flash intensity control.

Flash working range

W (max.): Approx. 0.2 m to 3.0 m (0.7 ft. to 9.8 ft.)
T (max.): Approx. 0.2 m to 2.2 m (0.7 ft. to 7.2 ft.)

Auto-flash (No indication)

The flash fires automatically in low light or backlight conditions.

Red-eye reduction flash (⊙)

The light from the flash may make the subject's eyes appear red in the picture. The red-eye reduction flash mode reduces this phenomenon by emitting pre-flashes before firing the regular flash.



The subject's eyes appear red.

Note

- After the pre-flashes, it takes about 1 second before the shutter is released. Hold the camera firmly to avoid camera movement.
- Effectiveness may be limited if the subject is not looking directly at the pre-flashes, or if the shooting range is too far. Individual physical characteristics may also limit effectiveness.

Fill-in flash (ϟ)

The flash fires regardless of the available light. This mode is useful for eliminating shadows on the subject's face (such as shadows from tree leaves), in a backlight situation, or for correcting the color shift produced by artificial lighting (especially fluorescent light).



Note

- The fill-in flash may not have the desired effect under excessively bright light.

Flash off (ϟ)

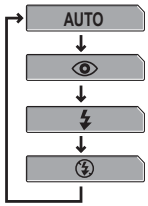
The flash does not fire even in low light conditions. Use this mode in situations where flash photography is not desired or is prohibited. You can also use this mode when you want to shoot a natural-looking twilight or night scene.

Note

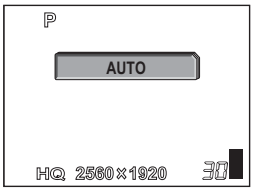
- Since a slow shutter speed is automatically selected in low light situations when in the flash off mode, the use of a tripod is recommended to prevent your pictures from being blurred by camera movement.

1 Change the flash mode by repeatedly pressing ▷ϟ.

- The flash settings change in the order of the arrows.



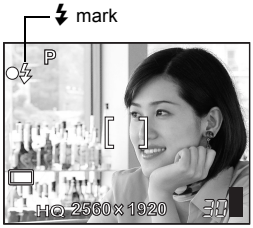
- If no operation is performed for about 2 seconds, the flash mode is set and the mode selection screen is automatically exited.



2 Press the shutter button halfway.

- In conditions where the flash will fire, ϟ lights (flash stand-by).

3 Press the shutter button fully to take the picture.



TIPS

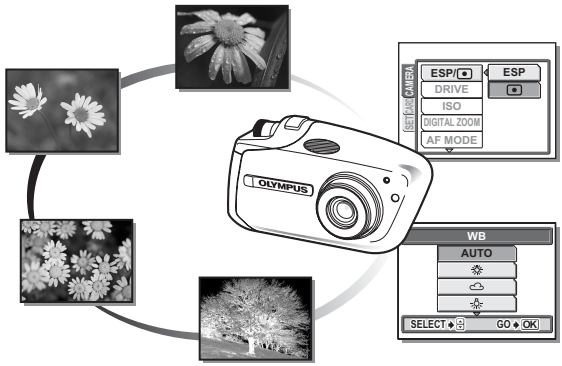
The ϟ (flash charge) indication blinks.
→ The flash is charging. Wait until ϟ turns off.

Note

- The flash does not fire in the following situations:
 During super macro shooting and panorama shooting.
- The flash may not give you the optimum result in macro mode with the zoom set to wide-angle (W). Check the resulting picture on the monitor.

4 Advanced shooting functions

Letting the camera select the optimal settings is simple and easy, but if you want, you can be a lot more creative. Now that you have mastered basic operation, you can start enjoying your camera's more advanced functions. You can adjust the shooting conditions manually and try out different effects. For example, if it is evening, you can add a touch of color to the night sky. By setting the white balance to (tungsten light), you can give the dark sky a blue tone. Adjusting a single function can produce amazing results. Try various settings and discover all sorts of new possibilities.



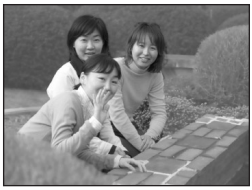
AF mode

This function allows you to select the focus range of your subject.

iESP Focus selection is based on the entire picture on the screen. Even when the subject is not in the center of the screen, focusing is possible.
SPOT Focus selection is based on the subject within the AF target mark.



Subject suitable for [iESP] focus mode

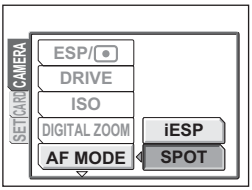


Subject suitable for [SPOT] focus mode

Top menu ▶ [MODE MENU] ▶ [CAMERA] ▶ [AF MODE]

☞"Menus" (P.12)

1 Select [iESP] or [SPOT] and press ⊛.



Metering

There are two ways of measuring the brightness of a subject.

ESP Meters the center of the subject and the surrounding area separately. Exposure is determined by metering within the AF target area. In this mode, a subject can be shot with optimal exposure regardless of the background light.

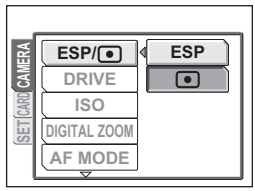
ESP/Spot metering

ESP

Top menu ▶ [MODE MENU] ▶ [CAMERA] ▶ [ESP/●]

☞"Menus" (P.12)

1 **Select [ESP] or [●] and press ⊛.**



ISO sensitivity

The higher the ISO value, the greater the camera's light sensitivity and the better its ability to shoot in low light conditions. However, higher values also introduce electrical noise into the resulting image, which may give it a grainy appearance.

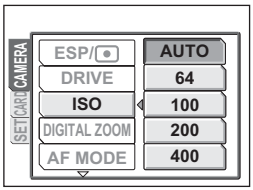
AUTO Sensitivity is automatically adjusted according to the light conditions and the subject brightness.

64/100/200/400 With a lower ISO setting, you can shoot clear, sharp images in daylight. With a higher ISO setting, you can use faster shutter speeds with the same amount of light.

Top menu ▶ [MODE MENU] ▶ [CAMERA] ▶ [ISO]

☞"Menus" (P.12)

1 Select [AUTO], [64], [100], [200] or [400] and press ⊛.



Note

- ISO settings are based on the sensitivity of normal camera film. The scale is approximate.
- When [ISO] is set to [AUTO] and you are shooting in dark conditions without a flash, the shutter speed is reduced. In this case, the sensitivity is automatically increased to avoid the risk of camera movement.
- If the subject is too far away for the flash illumination to reach when [ISO] is set to [AUTO], the sensitivity is automatically increased.

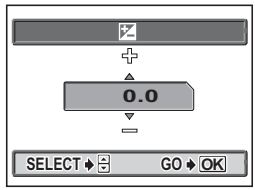
Exposure compensation

This function allows you to make fine changes to the exposure setting. You can adjust the exposure in the range of ±2.0 EV in 1/3 EV steps. When the setting is changed, you can check the result on the monitor.

Top menu ▶ [] ☞"Menus" (P.12)

1 Press △▽ to adjust the exposure and press ⓞ.

- Adjust toward +: Press △ to adjust up to +2.0 EV in 1/3 EV steps.
- Adjust toward –: Press ▽ to adjust up to -2.0 EV in 1/3 EV steps.





TIPS

- Often bright subjects (such as snow) will turn out darker than their natural colors. Adjusting toward + makes these subjects closer to their real shades. For the same reason, adjust toward – when shooting dark subjects.
- In some situations, you may get better results when the exposure that the camera sets is compensated (adjusted) manually.

Note

- If the flash is used, the image brightness (exposure) may differ from the intended brightness.
- Exposure compensation cannot correct the image if the surroundings of the subject are extremely bright or dark.

White balance WB

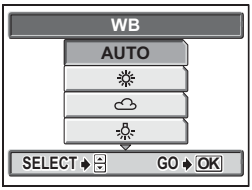
Color reproduction differs depending on the light conditions. For instance, when daylight, the setting sun or tungsten lighting are reflected on white paper, the shade of white produced will be slightly different for each. By setting the WB (white balance), you can achieve more natural-looking colors.

AUTO Automatically adjusts the white balance for any light source.
☼: Suitable for shooting on a sunny day.
☁: Suitable for shooting on a cloudy day.
: Suitable for shooting under a tungsten light.
1: Suitable for shooting under a daylight fluorescent lamp. This type of lamp is used mainly in homes.
2: Suitable for shooting under a neutral white fluorescent lamp.This type of lamp is generally used in desk lamps, etc.
3: Suitable for shooting under a cool white fluorescent lamp. This type of lamp is generally used in offices, etc.



Top menu ▶ [WB] ☞"Menus" (P.12)

1 Select a white balance setting and press ⓞ.



? *TIPS*

- You can also preview different color tones by trying the different [WB] settings under the actual light source and checking the result on the monitor.
- Set the white balance to [☼] or [☁] to capture a sunrise or sunset with beautiful reddish tones.

! Note

- The white balance feature may not be effective under some special light sources, such situations where multiple lights are used.
- After setting a white balance other than [AUTO], play back the picture and check the colors on the monitor.
- When the flash is fired with a white balance setting other than [AUTO], colors may appear different in the resulting picture from the colors you see on the monitor.

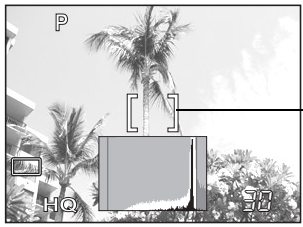
Histogram

When shooting still pictures, you can display a histogram showing the brightness and contrast of your subject in the monitor.
Displaying the brightness and contrast of your subject enables fine adjustment of the exposure.

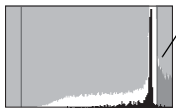
OFF Hides the histogram.
ON Displays the histogram for every picture.

When [ON] is selected in **P** mode

Bright picture

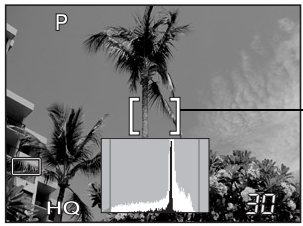


AF target mark

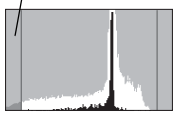


If the peak fills too much of the frame, the image will appear mostly white.

Dark picture



AF target mark



If the peak fills too much of the frame, the image will appear mostly black.

The part indicated in green in the histogram shows the luminance distribution within the AF target mark.



Top menu ▶ [MODE MENU] ▶ [CAMERA] ▶ [] ▶ [OFF] / [ON]

☞"Menus" (P.12)

Note

- The histogram is not displayed in the following situations even if [ON] is selected.
 During panorama shooting or two-in-one picture shooting.
- The histogram displayed during shooting may differ from the histogram displayed during playback.

5 Additional shooting functions

At a sporting event…
Use movie mode to capture the atmosphere by recording the cheers and applause along with the action. Or use sequential shooting mode to take a succession of shots of a goal and pick out the best ones later.

In the country or at a tourist spot…
Use panorama mode to capture a beautiful mountain range or impressive building.

At a party or family gathering…
Use the self-timer to take group photos at school reunions or birthday parties.



Recording movies

This function allows you to record movies. The sound is automatically recorded with the movie.
Although the camera maintains the correct exposure during movie recording even if your subject moves, the focus and zoom will be locked so it will be out of focus if the distance to the subject is changed.



1 Decide the composition of the picture.

- The available recording time on the card that you are using is displayed on the monitor.
- You can use the zoom button to enlarge your subject.



Remaining recording time

2 Press the shutter button fully to start recording.

- During movie recording, [REC] lights red.



3 Press the shutter button again to stop recording.

- When the remaining recording time has been used up, recording stops automatically.
- When there is space available in the card memory, the remaining recording time is displayed, and the camera is ready to shoot.

TIPS

To use the zoom during movie recording

→ During movie recording, optical zoom is not available. To use the zoom, set [DIGITAL ZOOM] to [ON]. ☞"Using the digital zoom" (P.31)

Note

- Depending on the card, the remaining recording time may drop rapidly during recording. Try using the card again after formatting it with your camera. ☞"Formatting" (P.80)
- In 🎥 mode, the flash cannot be used.
- The sound quality deteriorates temporarily if water gets on the microphone or speaker. It returns to normal when the water has evaporated.

Notes for recording long movies

- Recording will continue until the card is full unless stopped by pressing the shutter button.
- If a single movie recording uses up all of the card's memory, create space on the card by erasing the movie or downloading it to a computer.

Sequential shooting

This function allows you to take a succession of still pictures (4 pictures in [HQ] mode) by keeping the shutter button pressed.
As you can choose the best picture from a series of sequential shots, you are recommended to use this mode when photographing a moving subject.

- ▭ Shoots 1 frame at a time when the shutter button is pressed. (Normal, single-frame shooting mode)
- ▭▭ Shoots a succession of still pictures by keeping the shutter button pressed. The focus, exposure and white balance are locked at the first frame.

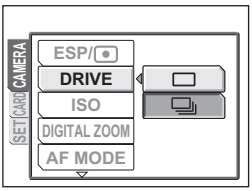
Top menu ▸ [MODE MENU] ▸ [CAMERA] ▸ [DRIVE]

☞"Menus" (P.12)

1 **Select [▭▭] and press ⊛.**

2 **Take the picture.**

- Press the shutter button fully and keep it pressed. The camera will take pictures in sequence until you release the button.



Note

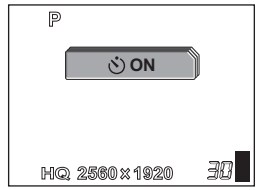
- Sequential shooting ([▭▭]) is not available in the following situations.
 During panorama shooting or two-in-one picture shooting.
 When , , , , or is selected for the scene mode.
- If the battery power is low and the battery check blinks during sequential shooting, shooting stops and the camera starts saving the pictures you have taken. Whether or not all of the shots are saved depends on how much battery power remains.
- [👁] is not available when [▭▭] is set. If you select [▭▭] when [👁] is set, the flash setting automatically switches to [AUTO].

Self-timer shooting

This function lets you take pictures using the self-timer. Fix the camera securely on a tripod for self-timer shooting. This function is useful for taking pictures when you want to be included in the photograph.

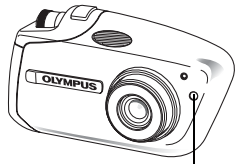
1 Select [ON] by repeatedly pressing ▽.

- If no operation is performed for about 2 seconds, the self-timer mode is set and the mode selection screen is automatically exited.



2 Press the shutter button fully to take the picture.

- Pressing the shutter button halfway locks the focus and exposure.
- The self-timer lamp lights for approximately 10 seconds, then starts blinking. After blinking for approximately 2 seconds, the picture is taken.
- To stop shooting while in mode, press the shutter button fully again.
- To cancel the self-timer, press ▽.
- The self-timer mode is automatically canceled after one shot.



Self-timer lamp

Note

- Do not operate the self-timer while standing directly in front of the camera lens. The focus and exposure will not be able to lock.

Panorama shooting

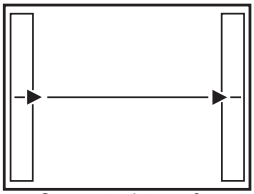
You can take advantage of panorama shooting with Olympus cards (xD-Picture Card). Panorama shooting lets you connect pictures with overlapping edges into a single panoramic picture, using the OLYMPUS Master software.

Top menu ▶ [MODE MENU] ▶ [CAMERA] ▶ [PANORAMA]

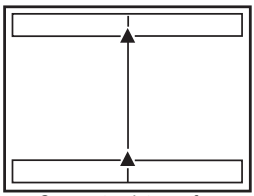
☞"Menus" (P.12)

1 Use the arrow pad to choose at which edge you want to connect the pictures.

- ▷ : The next picture is connected at the right edge.
- ◁ : The next picture is connected at the left edge.
- △ : The next picture is connected at the top.
- ▽ : The next picture is connected at the bottom.



Connects pictures from left to right

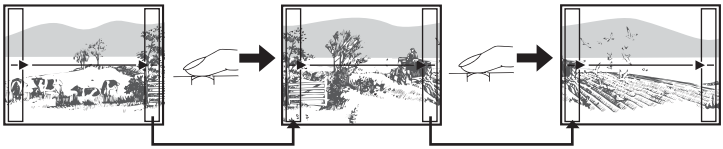


Connects pictures from bottom to top

2 Make sure that the edges of the pictures overlap, then take the pictures.

- The focus, exposure and white balance are set by the first picture. Do not select an extremely bright subject (such as the sun) for the first picture.
- You cannot adjust the zoom after the first picture.
- Panorama shooting is possible for up to 10 pictures.
- When you have taken 10 pictures, a warning mark ([hand]) appears.





The part of the previous picture where it will be joined to the next picture does not remain in the frame on the edge of the screen. You have to remember what the part in the frame looked like and take the next picture so it overlaps. Compose your shots so that the right edge of the previous picture overlaps with the left edge of the next picture if you are connecting pictures from left to right (or vice versa if you are connecting pictures from right to left).

3 Press [OK] to exit panorama shooting.

Note

- The panorama mode is only available with Olympus cards.
- During panorama shooting, the flash and sequential shooting modes are not available.
- The camera itself cannot connect panorama pictures. The OLYMPUS Master software is necessary to connect the pictures.

Taking two-in-one pictures

This function allows you to combine two pictures taken in succession and store them as a single picture. This way you can enjoy having two subjects in one.

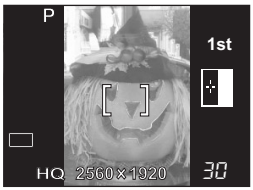


Picture during playback

Top menu ▶ [MODE MENU] ▶ [CAMERA] ▶ [2 IN 1] ☞"Menus" (P.12)

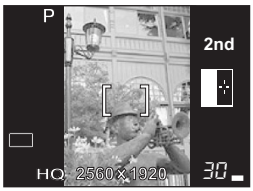
1 Take the first shot.

- The subject will be positioned on the left in the combined picture.



2 Take the second shot.

- The subject will be positioned on the right in the combined picture.
- Once the second picture is taken, the monitor automatically returns to the top menu.



TIPS

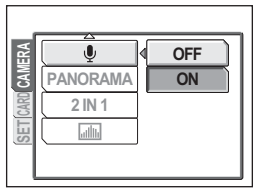
- To cancel shooting in two-in-one picture mode before taking the first or second picture, press ⓞ. The first picture taken is not stored.

Recording sound with still pictures

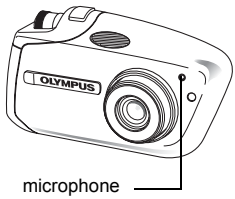
Sound can be recorded when taking still pictures. Recording starts about 0.5 seconds after the shutter is released and lasts about 4 seconds. When this function is enabled, sound is recorded automatically every time you take a picture.

Top menu ▶ [MODE MENU] ▶ [CAMERA] ▶ [🎙] ☞"Menus" (P.12)

1 **Select [ON] and press ⊛.**



2 **When recording starts, aim the camera microphone at the source of the sound you want to record.**



TIPS

- [♪] appears when still pictures with sound are played back. During playback, sound is output from the speaker. The volume can be adjusted. ☞"Playback volume" (P.86)
- Sound can be added later to still pictures. Recorded sound can also be re-recorded. ☞"Recording sound" (P.72)

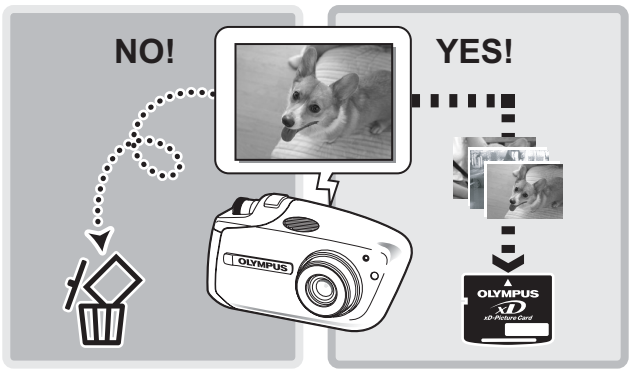
Note

- If the microphone is farther than 1 m (3.3 ft.) from the subject, sound may not be recorded properly.
- Pictures cannot be taken during sound recording.
- Sound recording is not available in the following cases:
 When [DRIVE] is set to sequential shooting ([▭]), or during panorama shooting or two-in-one shooting.
- Sound recording may also pick up camera noises, such as button operations, shutter movement, etc.
- Sound recording may not be available if there is insufficient space in the card memory.

Playback

6

With film-type cameras, you cannot view the pictures you have taken until the film has been developed. Results can be disappointing when you develop blurred images or pictures in which subjects had their eyes closed. Maybe you took several pictures of the same scene because you weren't sure whether they would come out or not. That's no way to record important memories!
With a digital camera, you can review your pictures immediately.
Just play the picture back as soon as you've taken it. If you don't like what you see, erase and take it again. So don't be afraid of pictures not coming out well – just keep on pressing that shutter button!



Playing back still pictures



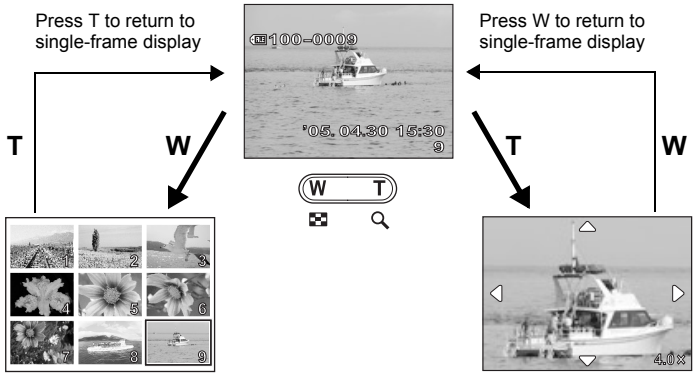
- The monitor turns on and displays the last picture taken.

1 Use the arrow pad to play back other pictures.

- ▷ : Displays the next picture.
- ◁ : Displays the previous picture.
- △ : Jumps to the picture 10 frames back.
- ▽ : Jumps to the picture 10 frames ahead.

2 Press T or W on the zoom button.

- This allows you to enlarge the picture (close-up playback) or display an index of pictures (index display).



Index display

- During index display, use the arrow pad to select the desired picture.
- You can select the number of pictures to be displayed.
 ☞"Selecting the number of pictures" (P.55)

Close-up playback

- Press T to enlarge the picture up to a maximum of 8×.
- By using the arrow pad during close-up playback, you can scroll to different portions of the picture.
- Pictures cannot be stored in an enlarged state.
- Close-up playback is not available for movies.

TIPS

- You can use this function in shooting mode by pressing the **QUICK VIEW** button.
- The shooting information on the monitor disappears after 3 seconds.

Note

- If the camera is not used for over 3 minutes, the camera enters the sleep mode and the monitor turns off.

Selecting the number of pictures

This function lets you select the number of pictures in an index display from 4, 9, 16 and 25.



Top menu ▶ [MODE MENU] ▶ [SETUP] ▶ [▪] ▶ [4] / [9] / [16] / [25]

☞"Menus" (P.12)

Calendar display

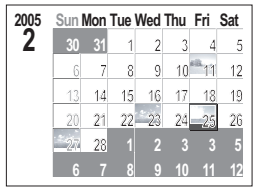
This function lets you display images stored on the card by specifying the date on a calendar format. If several pictures were taken on the same date, the first picture taken on that date is displayed.



1 Press the W (▪) side of the zoom button twice.

- During the index display, press the W (▪) side of the zoom button once.
- The calendar display screen is displayed.

2 Use the arrow pad to select a date.



◁ : Moves to the previous date when a picture was taken.

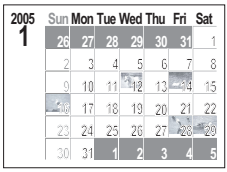
▷ : Moves to the next date when a picture was taken.

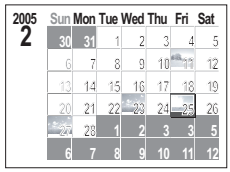
△ : Moves to the last date in the previous month when a picture was taken.

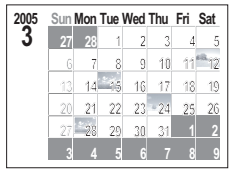
▽ : Moves to the first date in the next month when a picture was taken.

- Pressing the T side of the zoom button once during calendar display switches to single-frame playback.

Ex.: When February 25 is selected







- Press ◁. Moves to February 23.
- Press ▷. Moves to February 27.
- Press △. Moves to January 29.
- Press ▽. Moves to March 12.

Note

- Months in which no pictures were taken are not displayed.
- If you did not set the date and time on the camera or change the date with the provided OLYMPUS Master, the pictures may not be displayed on the correct date.

Slideshow

This function displays still pictures stored in the card one after another. You can select from four different transition effects. Only the first frame of each movie is displayed.

NORMAL : Displays the pictures stored on the card one at a time.
FADER : Displays the pictures by gradually fading out the previous picture and fading in the next picture.
SLIDE : Displays the pictures by sliding the next picture over the previous picture alternately from the top and bottom.
WINDOW : Displays the pictures by gradually enlarging the next picture from the top left of the screen.

Select a still picture and display the top menu.

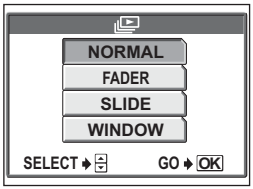
Top menu ▶ [🎞] ☞"Menus" (P.12)

1 **Select [NORMAL], [FADER], [SLIDE] or [WINDOW], and press ⊛.**

- The slideshow starts.

2 **Press ⊛.**

- The slideshow ends and the first frame is displayed.
- The slideshow will not stop until you cancel it by pressing ⊛.



Picture rotation

Pictures taken with the camera held vertically are displayed horizontally. This function lets you turn such pictures 90° clockwise or counterclockwise so that they are displayed vertically.

Top menu ▶ [MODE MENU] ▶ [PLAY] ▶ [⟲] ▶ [+90°] / [0°] / [-90°]
☞"Menus" (P.12)

- For album playback mode: Top menu ▶ [ALBUM MENU] ▶ [⟲] ▶ [+90°] / [0°] / [-90°]

Note

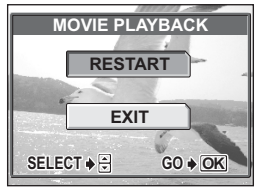
- The following pictures cannot be rotated.
 Movies, protected pictures and pictures that have been edited on a computer.
- New picture orientations are saved even when the power is turned off.

Playing back movies

This function lets you play back movies. You can fast forward the movie or play it back one frame at a time.
Select an image with 🎞 and display the top menu.

Top menu ▶ [MOVIE PLAYBACK] ☞"Menus" (P.12)

- The movie is played back. When playback ends, the camera automatically returns to the beginning of the movie and displays the [MOVIE PLAYBACK] menu.
- To play the movie again, select [RESTART]. To return to playback mode, select [EXIT].



● Operations during movie playback

Pressing △▽ lets you adjust the sound volume during playback.

△ : Increases the volume.
▽ : Reduces the volume.
▷ : Each time you press the button, the playback speed changes in the following order: 2×; 20×; and back to 1×.
◁ : Plays the movie in reverse. Each time you press the button, the playback speed changes in the following order: 2×; 20×; and back to 1×.
(OK) : Pauses the movie and lets you play it back frame by frame.



Playing time/
total recording time

● Frame by frame playback

△ : Displays the first frame of the movie.
▽ : Displays the last frame of the movie.
▷ : Displays the next frame. The movie can be played continuously by holding the button down.
◁ : Displays the previous frame. The movie can be played continuously in reverse by holding the button down.
(OK) : Displays the [MOVIE PLAYBACK] menu.



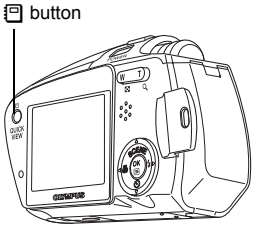
Note

- The lamp on the camera blinks red while the camera is reading the movie from the card. Reading of movies may take some time. Do not open the battery compartment/connector cover while the lamp on the camera is blinking red. Doing so may damage the data on the card and render the card unusable.

Playing back albums

You can organize your pictures by arranging them into albums on the card. There are 12 albums. Each album can have 200 pictures. Using the OLYMPUS Master software in the provided CD-ROM, you can transfer the images from your computer to the album in the card.

Press the button in playback mode to enable album playback mode.



Album playback notation

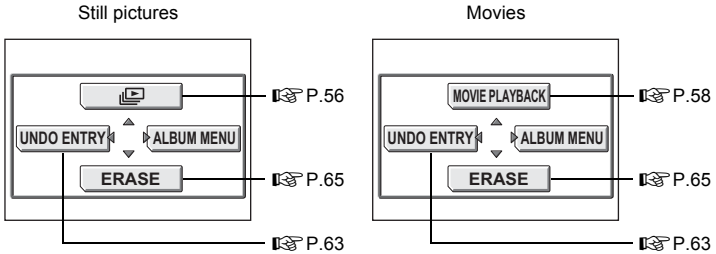
The following icons indicate that the function is used in album playback mode.

● Menus in album playback mode

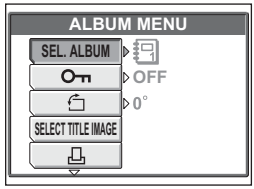
Press ⓞ in album playback mode to display the album mode top menu.

- Menus in album playback mode are set by using the arrow pad and ⓞ in the same way as in shooting and playback modes. ☞"How to use the menus" (P.15)

Top menu



Album menu



Functions available in the album menu

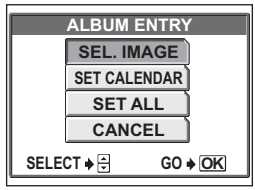
Function	Ref. page	Function	Ref. page
SEL. ALBUM	P.63	🖨	P.102
O-n	P.78	VOLUME	P.86
⟲	P.57	📺	P.90
SELECT TITLE IMAGE	P.66	VIDEO OUT	P.75

Album entry

This function is for entering still pictures or movies into an album.

Top menu ▸ [ALBUM ENTRY] ☞"Menus" (P.12)

1 Select the method of album entry.

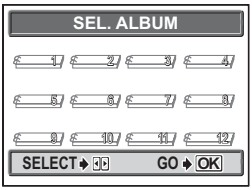


SEL. IMAGE Select the picture one by one and enter them.

SET CALENDAR Select the date on the calendar screen and enter the picture in the same day into one album.

SET ALL Select from still pictures only, movies only, or protected pictures only. The pictures of that type are entered into one album.

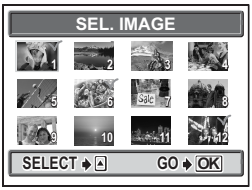
2 **Press ◁▷ to select the album to enter the pictures in and then press ⓞ.**



● Entering selected pictures

3 **Press ◁▷ to select the picture you want to enter and press △.**

- To select the picture by single-frame playback, press the T side of the zoom button.
- The ✓ mark will appear on the selected picture.
- To cancel the selection, press △ again.
- If you want to enter other pictures, repeat Step 3.



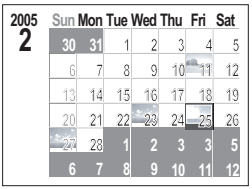
4 **After you completed the selection, press ⓞ.**

5 **Select [YES] and press ⓞ.**

● Entering into the calendar

3 **Press △▽◁▷ to select the date that has the picture you want to enter and press ⓞ.**

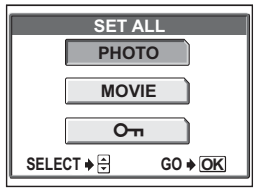
4 **Select [YES] and press ⓞ.**



● Entering collectively

3 **Select [PHOTO], [MOVIE] or [🔑] and press ⊛.**

4 **Select [YES] and press ⊛.**



Note

- If you do formatting/erasing all, the picture entered in the album will also be cleared.
- You cannot enter one picture into several albums.
- With entering into the calendar, the picture taken on the same day will be entered on the same day in the calendar.
- If you enter more than 200 pictures with [SET CALENDAR] or [SET ALL], the pictures will be entered up to 200 in chronological order.

Album playback

This function plays back only pictures in albums.

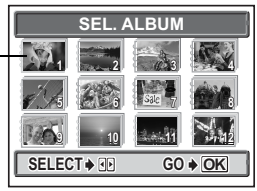


1 **Press the ▣ button.**

- The [SEL. ALBUM] screen is displayed.

2 **Press ◁▷ to select the album you want to playback and press ⊛.**

- If no pictures are in the album, you can not view the album.



Title image (first frame in the album)

3 Use the arrow pad to playback other pictures.



▷ : Displays the next picture.

◁ : Displays the previous picture.

△ : Jumps to the picture 10 frames back.

▽ : Jumps to the picture 10 frames ahead.

- To display the detailed information on the picture, press the T side of the zoom button.

4 Press the button.

- The camera returns to normal playback mode.

TIPS

- To switch to another album during playback, on the top menu select [ALBUM MENU] ▶ [SEL. ALBUM] and select the album that you wish to view.

Undo entry

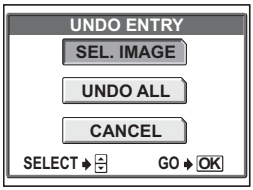
To remove a picture from an album you can use the undo entry function. By using the undo entry function you will remove the picture from the album but the picture will remain on the card.

In album playback mode, select the album that has the pictures you want to erase, and display the top menu.



Top menu ▶ [UNDO ENTRY] ☞"Menus" (P.12)

1 Select the method of undoing entry.

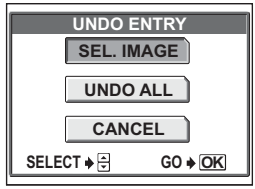


SEL. IMAGE Allows you to select individual pictures to remove from the album.

UNDO ALL Allows you to remove all the pictures within the album at one time.

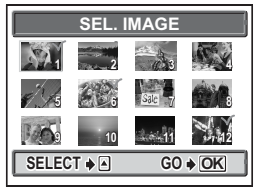
● Undo entry selected pictures

2 **Select [SEL. IMAGE] and press ⊛.**



3 **Press ◁▷ to select the picture you want to undo entry and press △.**

- To select the picture by single-frame playback, press the T side of the zoom button.
- The ✓ mark will appear on the selected picture.
- To cancel the selection, press △ again.
- If you want to undo entry other pictures, repeat Step 3.



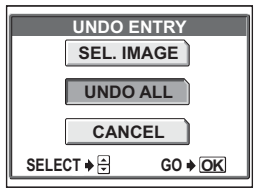
4 **When you have selected the picture(s) to undo entry, press ⊛.**

5 **Select [YES] and press ⊛.**

● Undo all

2 **Select [UNDO ALL] and press ⊛.**

3 **Select [YES] and press ⊛.**



Erase album picture

Erases a picture from an album. Erasing in this way is different from the undo entry function. By erasing the picture with this function the picture will be completely erased from the card.
Select the album that have the pictures you want to erase and display the top menu.

Note

- You cannot erase protected pictures. Cancel protection before erasing such pictures.
- Once erased, pictures cannot be restored. Check each picture before erasing to avoid accidentally erasing pictures you want to keep. ☞"Protecting pictures" (P.78)

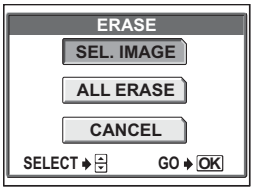


Top menu ▶ [ERASE] ☞"Menus" (P.12)

1 Select the method of erasing you want to use.

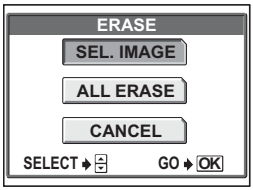
SEL. IMAGE Allows you to select individual pictures to be erased.

ALL ERASE Allows you to erase all the pictures within the album all at once.



● Erase selected pictures

2 Select [SEL. IMAGE] and press ⊛.



3 **Press ◁▷ to select the picture you want to erase and press △.**

- To select the picture by single-frame playback, press the T side of the zoom button.
- The ✓ mark will appear on the selected picture.
- To cancel the selection, press △ again.
- If you want to erase other pictures, repeat Step 3.



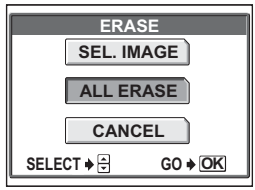
4 **When you have selected the picture(s) to erase, press ⓞ.**

5 **Select [YES] and press ⓞ.**

● Erase all

2 **Select [ALL ERASE] and press ⓞ.**

3 **Select [YES] and press ⓞ.**



Changing the title image

You can change the title image (first image in the album) displayed on the album selection screen.
Select the album that you want to change and display the top menu.



Top menu ▶ [ALBUM MENU] ▶ [SELECT TITLE IMAGE]

☞"Menus" (P.12)

1 **Press ◁▷ to select the picture for the title image and press ⊛.**

2 **Select [OK] and press ⊛.**



Editing still pictures

This function lets you edit still pictures and store them as new pictures. The following editing operations are available.

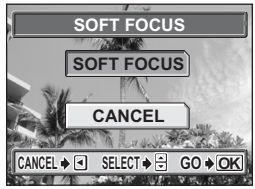
SOFT FOCUS	This function enables you to add soft focus effects to the selected pictures and store them as new pictures. By using soft focus effects, you can change your picture to a vignette picture to give a fantastic atmosphere.
FISHEYE	This function enables you to add fish-eye view effects to the selected pictures and store them as new pictures. When the fish-eye view mode is selected, the picture is transformed into a spherical picture.
BLACK & WHITE	This function enables you to convert selected pictures into black and white pictures and store them as new pictures.
SEPIA	This function enables you to convert selected pictures into sepia-tone pictures and store them as new pictures.
	This function enables you to change the image size of selected pictures and store them as new pictures. This is useful when you want to reduce the volume of picture data, such as when posting pictures on the Internet or attaching them to e-mail.
	Crops part of a picture and saves it as a new file.

Select the still picture that you want to edit and display the top menu.

Soft focus

Top menu ▶ [MODE MENU] ▶ [EDIT] ▶ [SOFT FOCUS] ☞"Menus" (P.12)

1 Select [SOFT FOCUS] and press ⓞ.



- The [BUSY] bar appears and after the image is saved, the camera returns to the playback mode.
- The soft focused picture is stored as a separate picture from the original.
- To cancel soft focusing, select [CANCEL] and press ⓞ.
- Creating soft focus pictures is not possible in the following cases.
 Movies or when there is insufficient memory space on the card.

Fish-eye

Top menu ▶ [MODE MENU] ▶ [EDIT] ▶ [FISHEYE] ☞"Menus" (P.12)

1 Select [FISHEYE] and press ⓞ.



- The [BUSY] bar appears and after the image is saved, the camera returns to the playback mode.
- The fish-eye picture is stored as a separate picture from the original.
- To cancel fish-eye, select [CANCEL] and press ⓞ.
- Creating fish-eye pictures is not possible in the following cases.
 Movies or when there is insufficient memory space on the card.

Black and White

Top menu ▶ [MODE MENU] ▶ [EDIT] ▶ [BLACK & WHITE]

☞"Menus" (P.12)

1 Select [BLACK & WHITE] and press ⓞ.



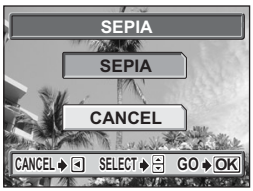
- The [BUSY] bar appears and after the image is saved, the camera returns to the playback mode.
- The black and white picture is stored as a separate picture from the original.
- To cancel black and white, select [CANCEL] and press ⓞ.
- Creating black and white pictures is not possible in the following cases.
 Movies or when there is insufficient memory space on the card.

Sepia-tone

Top menu ▶ [MODE MENU] ▶ [EDIT] ▶ [SEPIA]

☞"Menus" (P.12)

1 Select [SEPIA] and press ⓞ.



- The [BUSY] bar appears and after the image is saved, the camera returns to the playback mode.
- The sepia-tone picture is stored as a separate picture from the original.
- To cancel sepia-tone, select [CANCEL] and press ⓞ.
- Creating sepia-tone pictures is not possible in the following cases.
 Movies or when there is insufficient memory space on the card.

Resizing

Top menu ▶ [MODE MENU] ▶ [EDIT] ▶ [🖼] ☞"Menus" (P.12)

1 **Select an image size and press ⊛.**

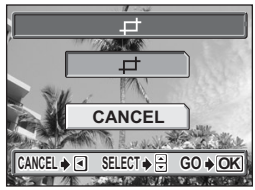


- The [BUSY] bar appears and after the image is saved, the camera returns to the playback mode.
- The resized picture is stored as a separate picture from the original.
- To cancel resizing, select [CANCEL] and press ⊛.
- Resizing is not available in the following cases.
 Movies, pictures that have been edited on a computer, when there is insufficient memory space on the card, or pictures taken with another camera.
- If the image size of the selected picture is 640 × 480, you cannot select [640 × 480].

Trimming

Top menu ▶ [MODE MENU] ▶ [EDIT] ▶ [⌗] ☞"Menus" (P.12)

1 **Select [⌗] and press ⊛.**



2 Use the arrow pad and zoom button to decide the trimming position and size.

- Press △▽◁▷ to move the trimming frame.
- Press the W side or T side of the zoom button to select the trimming size.



3 Press (OK).



4 Select [OK] and press (OK).

- The [BUSY] bar appears and after the image is saved, the camera returns to the playback mode.
- The trimmed picture is stored as a separate picture from the original.
- If you want to trim the picture again, select [RESET] and press (OK). Repeat the procedure from Step 2.
- To cancel the trimming function, select [CANCEL] and press (OK).



Note

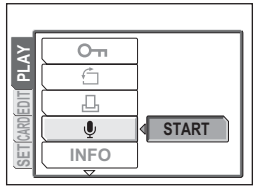
- Trimming is not available in the following cases.
 Movies, insufficient memory space on the card, or the image size of the selected picture is 640 × 480.
- If a trimmed picture is printed out, it may appear grainy.

Recording sound

Sound can be added to a still picture that you have already taken. (This is known as “after-recording”.) You can also re-record over the sound that has already been recorded. Total recording time per picture is approximately 4 seconds. Select the still picture to which you want to add sound.

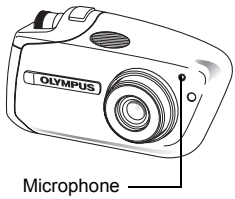
Top menu ▶ [MODE MENU] ▶ [PLAY] ▶ [🎙] ☞“Menus” (P.12)

1 **Press ▷ to display [START].**



2 **Aim the camera microphone toward the sound you want to record and press ⓞ to start recording.**

- The [BUSY] bar is displayed during recording.



Note

- If the microphone is farther than 1 m (3.3 ft.) from the subject, sound may not be recorded properly.
- If you re-record the sound, the original sound is erased.
- You may not be able to record sound when there is insufficient card memory (the [CARD FULL] message is displayed).
- Sound recording may pick up camera noises, such as button operation or shutter movement.
- Once sound is added to a picture, it is not possible to erase only the sound. In this case, make a re-recording with silence.

Creating an index

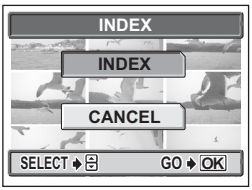
9 frames extracted from a movie are displayed as an index and stored on the card as a still picture.
Select a picture with 🎞 and display the top menu.



Top menu ▶ [MODE MENU] ▶ [EDIT] ▶ [INDEX] ☞"Menus" (P.12)

1 Select [INDEX] and press ⓞ.

- The [BUSY] bar appears and after the 9 frames extracted from the movie appear as an index display, the camera returns to the playback mode. The index is stored as a new picture.
- To cancel the editing function, select [CANCEL] and press ⓞ.



TIPS

- The index is stored as a still picture in a different record mode from the original movie.

Record mode when the movie was shot	Record mode when stored as an index
HQ	SQ2 (1,024 × 768 pixels)
SQ	SQ2 (640 × 480 pixels)

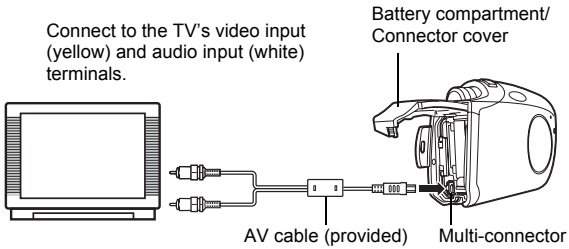
Note

- The interval between the frames that are automatically extracted varies depending on the length of the movie.
- An index consists of 9 frames.
- You cannot create an index if there is insufficient memory space on the card.

Playback on a TV

Use the AV cable provided with the camera to play back recorded images on your TV. You can play back both still pictures and movies on your TV.

1 **Make sure that the TV and camera are turned off. Connect the multi-connector on the camera to the video input terminal on the TV using the AV cable provided with the camera.**



2 **Turn the TV on and set it to the video input mode.**

- For details of switching to video input, refer to your TV's instruction manual.

3 **Press the POWER switch to turn the camera on.**

- The last picture taken is displayed on the TV. Use the arrow pad to select the picture you want to display.

TIPS

- You are recommended to use the optional AC adapter to play back pictures on a TV.
- The close-up playback, index display and slideshow functions can also be used on a TV screen.

Note

- Make sure that the camera's video output signal type is the same as the TV's video signal type. ☞"Video output selection" (P.75)
- The camera's monitor turns off automatically when the AV cable is connected to the camera.
- Be sure to use the AV cable provided to connect the camera to the TV.
- The picture may appear off-center on the TV screen.

Video output selection

You can select [NTSC] or [PAL] according to your TV's video signal type. When playing back pictures while connected to a TV in a foreign country, be sure to set the [VIDEO OUT] setting accordingly. Change the video signal type before connecting the AV cable. If you select the wrong video signal type, you will not be able to play back the recorded pictures properly on the TV.



Top menu ▶ [MODE MENU] ▶ [SETUP] ▶ [VIDEO OUT] ▶ [NTSC] / [PAL]

☞"Menus" (P.12)

- For album playback mode: Top menu ▶ [ALBUM MENU] ▶ [VIDEO OUT] ▶ [NTSC] / [PAL]

TIPS

- **TV video signal types & main regions**
 Check the video signal type before connecting the camera to the TV.
 NTSC North America, Taiwan, Korea, Japan
 PAL European countries, China, other Asian countries
 The default setting differs according to the region where you purchase the camera.

Information display INFO

This function lets you display detailed shooting information on the monitor for approx. 3 seconds in the playback mode. For details of the information displayed, see “Monitor indications” (P.152).



Top menu ▶ [MODE MENU] ▶ [PLAY] ▶ [INFO] ▶ [OFF] / [ON]

☞“Menus” (P.12)



When [INFO] is on



When [INFO] is off

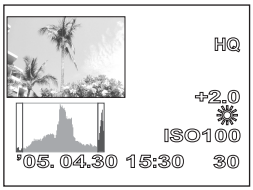
Note

- If the picture has been taken with a different camera, setting [INFO] to on in ▶ mode only displays the date and time, frame number and battery check indication.
- If [▲] is set, the histogram is displayed regardless of whether [INFO] is set to on or off.

Histogram

When viewing still pictures, you can display a histogram showing the luminance distribution.
The histogram display can be set separately for shooting mode and playback mode. ☞"Histogram" (P.42)

Top menu ▶ [MODE MENU] ▶ [PLAY] ▶ [] ▶ [OFF] / [ON]
☞"Menus" (P.12)



Histogram display

Note

- The histogram displayed during shooting may differ from the histogram displayed during playback.
- The histogram may not appear when you play back pictures shot on another camera.

Protecting pictures

You are recommended to protect important pictures to avoid accidentally erasing them. Protected pictures cannot be erased but they are all erased by formatting.
Select the picture that you want to protect and display the top menu.

Top menu ▶ [MODE MENU] ▶ [PLAY] ▶ [O-] ▶ [OFF] / [ON]

☞"Menus" (P.12)

- For album playback mode: Top menu ▶ [ALBUM MENU] ▶ [O-] ▶ [OFF] / [ON]
- To cancel protection, select [OFF] and press ⊛.



Displayed when a picture is protected.

Erasing pictures

This function erases recorded pictures. Pictures can be erased either one at a time or all the pictures on the card.

Note

- You cannot erase protected pictures. Cancel protection before erasing such pictures.
- Once erased, pictures cannot be restored. Check each picture before erasing to avoid accidentally erasing pictures you want to keep. ☞"Protecting pictures" (P.78)

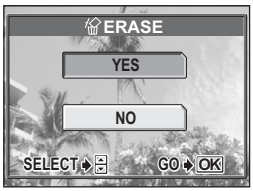
Single-frame erase

Select the picture that you want to erase and display the top menu.

Top menu ▶ [ERASE] ☞"Menus" (P.12)

1 Select [YES] and press ⓞ.

- The picture is erased and the menu is exited.
- To cancel single-frame erase, select [NO] and press ⓞ.



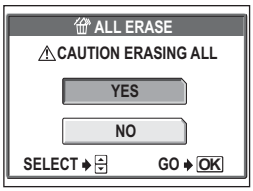
All-frame erase

This function erases all the pictures on the card.

Top menu ▶ [MODE MENU] ▶ [CARD] ▶ [ALL ERASE]
☞"Menus" (P.12)

1 Select [YES] and press ⓞ.

- All the pictures are erased.



Formatting

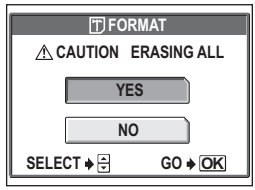
This function lets you format the memory card. Formatting prepares cards to receive data. Before using non-OLYMPUS cards or cards which have been formatted on a computer, you must format them with this camera.

All existing data, including protected pictures, are erased when the card is formatted. Make sure that you save or transfer important data to a computer before formatting the card.

Top menu ▶ [MODE MENU] ▶ [CARD] ▶ [FORMAT] ☞"Menus" (P.12)

1 Select [YES] and press ⊛.

- The [BUSY] bar is displayed while the card is formatted.



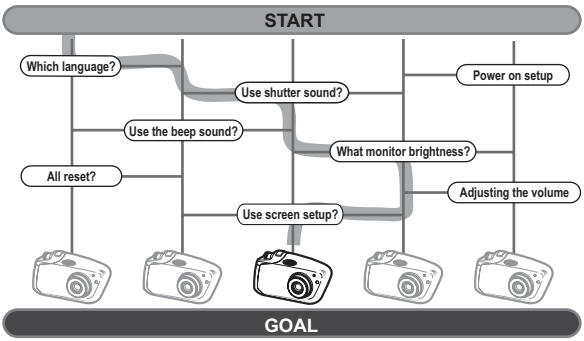
Note

- Do not do any of the following during formatting as such actions may damage the card.
 Open the battery compartment/connector cover, remove the battery, or connect or disconnect the AC adapter (regardless of whether there is a battery in the camera or not).

Settings

7

One of the key features of a digital camera is that you can view the pictures you have taken immediately.
But that isn't all. Another advantage is that you can customize the camera to your own personal taste.
For example, you can set the startup screen so that one of the pictures you have taken is displayed when you turn the camera on. That's originality for you!
And if you lend the camera to friends from abroad, you can select the appropriate language for on-screen display.
Making use of these functions will make such a difference to how much fun you get out of your camera. Why not try them out?



Now you have your very own customized camera!

All reset

This function lets you choose whether or not to save the current camera settings after the power is turned off. The settings affected by [ALL RESET] are listed as below.
The [ALL RESET] setting ([ON]/[OFF]) applies to all the modes. If [ALL RESET] is set to [OFF] in one shooting mode, this setting applies to all the other modes, both shooting and playback.

ON All settings are returned to the factory default settings after the power is turned off. (factory default setting)
Ex: With [ALL RESET] to [ON], even if you set [◀⋮-] to [SQ1], after you turn on the camera again, it will return to [HQ] as default setting.

OFF The settings made before the power is turned off are saved.
However, each setting will return to the factory default setting with a scene mode other than [PROGRAM AUTO].



Top menu ▶ [MODE MENU] ▶ [SETUP] ▶ [ALL RESET] ▶ [OFF] / [ON]
☞"Menus" (P.12)

Note

- The settings in the [SETUP] tab in the [MODE MENU] ([ALL RESET], [🗣⋮☰], [■)))] etc.) are saved even when [ALL RESET] is set to [ON].

● Functions that return to default settings when [ALL RESET] is set [ON].

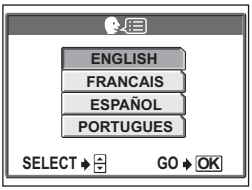
Function	Factory default setting	Ref. page	Function	Factory default setting	Ref. page
Flash mode	AUTO	P.34	AF MODE	SPOT	P.37
🌷, 🌷S	🌷 OFF	P.32	🎙 (still pictures)	OFF	P.52
ESP/⊙	ESP	P.38	📊 (📷 mode)	OFF	P.42
DRIVE	▭	P.47	±	0.0	P.40
ISO	AUTO	P.39	◀⋮-	HQ	P.21
DIGITAL ZOOM	OFF	P.31	WB	AUTO	P.41

Selecting a language

You can select a language for on-screen display. Available language vary depending on the area where you purchased this camera.

Top menu ▶ [MODE MENU] ▶ [SETUP] ▶ [🗣] ☞"Menus" (P.12)

1 Select a language and press ⊛.



? ***TIPS***

- You can add other languages to your camera with the provided OLYMPUS Master software. For details, refer to the help.

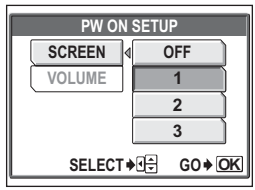
Power on setup

You can select a picture and/or sound volume to be displayed/output when the power is turned on. You can also register your favorite picture and display it on the screen. ☞"Screen setup" (P.85)

Top menu ▶ [MODE MENU] ▶ [SETUP] ▶ [PW ON SETUP]

☞"Menus" (P.12)

1 Select [OFF], [1], [2], [3] for [SCREEN], then press ◁.

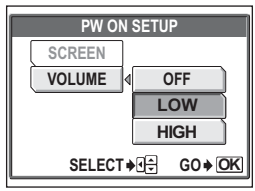


OFF No picture is displayed.

1/2 A preset picture is displayed.

3 Your registered picture is displayed. If there is no registered picture, nothing is displayed.

2 Select [OFF], [LOW] or [HIGH] for [VOLUME], then press ◁.



OFF No startup sound is output.

LOW/HIGH Startup sound is output.

3 Press ⊛.

Note

- [VOLUME] cannot be set when [SCREEN] is set to [OFF].

Screen setup

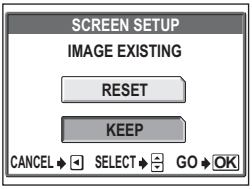
You can register your favorite picture for display when the power is turned on. Register a picture from the pictures saved on the card and use [PW ON SETUP] to display it on the startup screen.

☞"Power on setup" (P.84)

Top menu ▶ [MODE MENU] ▶ [SETUP] ▶ [SCREEN SETUP]

☞"Menus" (P.12)

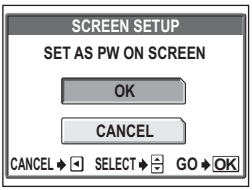
- If a picture is already registered, the [IMAGE EXISTING] screen is displayed asking if you want to cancel the currently registered picture and register a new one. To register a new picture, select [RESET] and press ⓞ. If you select [KEEP], the screen returns to the menu.



1 **Select the picture you want to register and press ⓞ.**

2 **Select [OK] and press ⓞ.**

- The picture is registered and the screen returns to the menu.



TIPS

- The screen is registered as [3] of the [PW ON SETUP].

Note

- You cannot register a picture or movie frame that cannot be played back on this camera.

Screen color

You can select the screen color displayed on the monitor from 4 patterns.



Top menu ▶ [MODE MENU] ▶ [SETUP] ▶ [COLOR] ▶ [NORMAL] / [BROWN] / [BLUE] / [BLACK] ☞"Menus" (P.12)

Playback volume

You can adjust the sound volume of still pictures or playback volume of movies.



Top menu ▶ [MODE MENU] ▶ [SETUP] ▶ [VOLUME] ▶ [OFF] / [LOW] / [HIGH] ☞"Menus" (P.12)

- For album playback mode: Top menu ▶ [ALBUM MENU] ▶ [VOLUME] ▶ [OFF] / [LOW] / [HIGH]

Beep

You can adjust the volume of the camera's sound. Choose from [HIGH] or [LOW]. You can turn the sound off completely by setting [OFF].



Top menu ▶ [MODE MENU] ▶ [SETUP] ▶ [■))] ▶ [OFF] / [LOW] / [HIGH] ☞"Menus" (P.12)

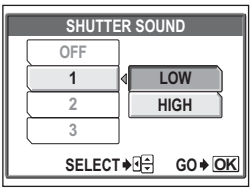
Shutter sound

You can choose from 3 different sounds for the shutter button. You can also set the volume of the sound to [LOW] or [HIGH]. You can turn the sound off completely by setting [OFF].

Top menu ▶ [MODE MENU] ▶ [SETUP] ▶ [SHUTTER SOUND]

☞"Menus" (P.12)

1 Select [OFF], [1], [2] or [3]. If you selected [1], [2] or [3] select [LOW] or [HIGH] and press ⊛.



Rec view

You can choose whether or not to display the picture you have just taken on the monitor.

ON The picture being recorded to the card is displayed. This is useful for making a brief check of the picture you have just taken. Pressing the shutter button halfway during Rec View lets you resume shooting immediately.

OFF The picture being recorded to the card is not displayed. This is useful when you want to prepare for your next shot while the previous picture is being recorded.

Top menu ▶ [MODE MENU] ▶ [SETUP] ▶ [REC VIEW] ▶ [OFF] / [ON]

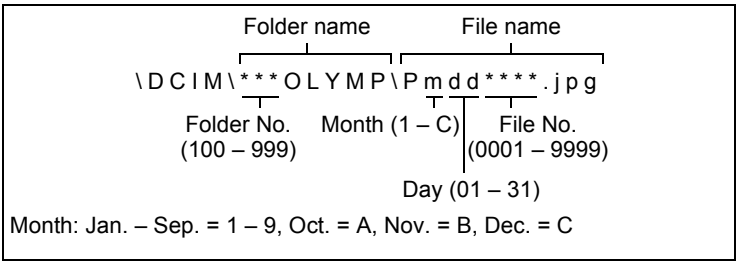
☞"Menus" (P.12)

Note

- Rec view is not available in sequential shooting mode.

File name

The camera automatically creates file names and folder names for images to be stored in. Files can be numbered from 0001 to 9999 and folders can be numbered from 100 to 999. Examples are shown below.



There are two settings from which you can choose: [RESET] or [AUTO]. Choose the one that is best for you when transferring images to a computer.

RESET The file number and folder number are reset every time a new card is inserted in the camera. The folder number returns to No. 100 and the file number returns to No. 0001. This method is useful when grouping files on separate cards.

AUTO Even if a new card is inserted, the folder number and file number are retained from the previous card, so the same file number is not used on different cards. This helps you to manage multiple cards. This method is useful when you want to manage all your files with sequential numbers.



Top menu ▶ [MODE MENU] ▶ [SETUP] ▶ [FILE NAME] ▶ [RESET] / [AUTO]

☞"Menus" (P.12)

Note

- When the File No. reaches 9999, the file number returns to 0001 and the folder number changes.
- When both the Folder and File No. reach their respective maximum number (999/9999), the number of storable pictures becomes 0 even if the card is not full. No more pictures can be taken. Replace the card with a new one.

Pixel mapping

The pixel mapping feature allows the camera to check and adjust the CCD and image processing functions. It is not necessary to operate this function frequently. Approximately once a year is recommended. Wait at least one minute after taking or viewing pictures to allow the pixel mapping function to perform properly.

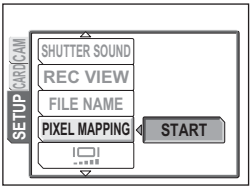


Top menu ▶ [MODE MENU] ▶ [SETUP] ▶ [PIXEL MAPPING]

☞"Menus" (P.12)

1 Press ▷ to display [START] and press ⊛.

- The [BUSY] bar is displayed during pixel mapping. When pixel mapping is finished, the screen returns to the mode menu.



Note

- If you turn the camera off during pixel mapping, start again from the beginning.

Monitor brightness adjustment

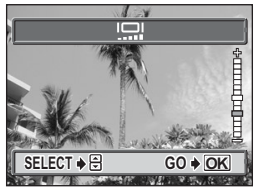
This function lets you adjust the brightness of the monitor to make it easier to see the image.

Top menu ▶ [MODE MENU] ▶ [SETUP] ▶ [!] ☞"Menus" (P.12)

- For album playback mode: Top menu ▶ [ALBUM MENU] ▶ [!]

1 Adjust the brightness while looking in the monitor, and when you have set the desired level, press ⊛.

- Pressing △ brightens the monitor, and pressing ▽ darkens it.

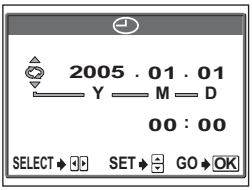


Setting the date and time

This function lets you set the date and time. The date and time is saved with each image, and is used in the file name.

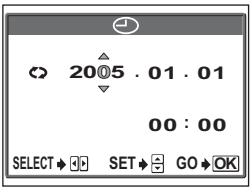
Top menu ▶ [MODE MENU] ▶ [SETUP] ▶ [⏲] ☞"Menus" (P.12)

1 **Select one of the following date formats: [Y-M-D] (Year/Month/Day), [M-D-Y] (Month/Day/Year), [D-M-Y] (Day/Month/Year), and press ▷.**



- Move to the year setting.
- The following steps show the procedure used when the date and time settings are set to [Y-M-D].

2 **Press △▽ to set the year, then press ▷ to move to the month setting.**



- To move back to the previous setting, press ◁.
- The first two digits of the year are fixed.

3 **Repeat this procedure until the date and time are completely set.**

- The time is displayed in the 24-hour format. Consequently, 2 p.m. is displayed as 14:00.

4 **Press ⓞ.**

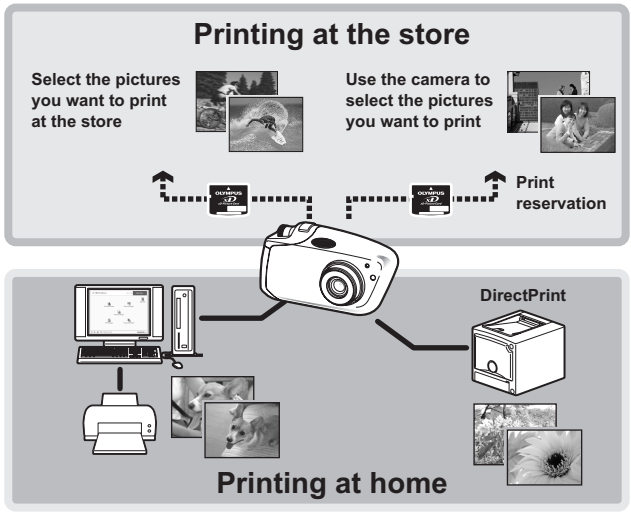
- For a more accurate setting, press ⓞ when the time signal hits 00 seconds.

Note

- The date and time settings will be returned to the factory default settings if the camera is left without the battery for approximately 1 day. The settings will be canceled more quickly if the battery was only loaded in the camera for a short time before being removed. Before taking important pictures, check that the date and time settings are correct.
- If the date and time setting is canceled, a warning is displayed on the monitor the next time the camera is turned on. ☞"Error codes" (P.125)

8 Printing pictures

You can print out the pictures you have taken either at a photo shop or at home on your own printer.
If you go to a photo shop, it is a good idea to store the print reservation data on the card first. This lets you select the pictures you want to print and decide how many prints you want.
If you print the pictures at home, you can either connect the camera directly to the printer or you can connect the camera to a computer, download the pictures, and print from the computer.



Direct printing (PictBridge)

Using the direct printing function

By connecting the camera to a PictBridge-compatible printer with the USB cable, you can print out recorded pictures directly. With the camera connected to the printer, select the pictures you want to print and the number of prints on the camera's monitor. It is also possible to print out pictures using the print reservation data.
☞"Print settings (DPOF)" (P.102)
To find out if your printer is compatible with PictBridge, refer to the printer's instruction manual.

What is PictBridge?… It is the standard for connecting digital cameras and printers of different manufacturers and printing out pictures directly.

STANDARD… All printers that support PictBridge have standard print settings. If [STANDARD] is selected on the settings screens (P.97 to P.99), images are printed according to these settings. Refer to the printer's instruction manual for its standard settings or contact the printer manufacturer.

TIPS

- For details of printing paper types, ink cassettes, etc., refer to the printer's instruction manual.

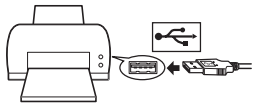
Note

- You are recommended to use the optional AC adapter when printing pictures. If you use the battery, make sure that it has enough power. If the camera stops operating while communicating with the printer, the printer may malfunction or image data may be lost.
- The camera will not enter sleep mode when connected to the USB cable.
- Movies cannot be printed.

Connecting the camera to a printer

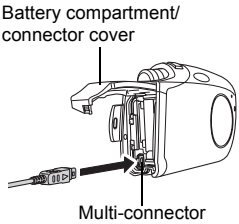
Use the USB cable provided to connect the camera to a PictBridge-compatible printer.

1 Turn the printer on and plug the USB cable into the printer's USB port.



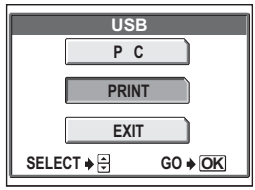
- For details of how to turn the printer on and the position of the USB port, refer to the printer's instruction manual.

2 Plug the USB cable into the camera's multi-connector.



- The monitor turns on and the selection screen for the USB connection is displayed.

3 Select [PRINT] and press ⓞ.



- After [ONE MOMENT] screen appears, the camera and the printer will be connected.

Note

- If [PC] is selected, screen will not change to next screen. Remove the USB cable and repeat the procedure from step 1 again.
- If [EXIT] is selected, the camera is not recognized by the printer and turns off.

4 Select [ALL IMAGES] or [SEL. ALBUM] and press ⓞ.

ALL IMAGES Select from all pictures in the card and print.

SEL. ALBUM Select the picture from the album entry and print. If you selected [SEL. ALBUM], you cannot select [PRINT ORDER] in the [PRINT MODE SELECT] screen.

5 **If you selected [SEL. ALBUM] in Step 4, select the album that have the picture to print and press ⊛.**

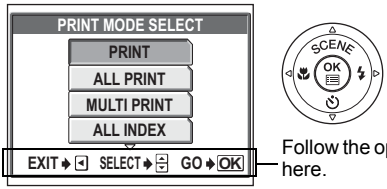
? ***TIPS***

- Operate the print setting following the camera's monitor. Go to "Flowchart for printing".

Flowchart for printing

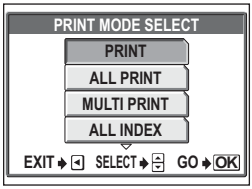
When you have connected the camera to a printer successfully, you can apply print reservation to selected pictures or you can print a currently displayed picture. Follow the operation guide on the camera's monitor.

Press ◁▷△▽ to select the item you want.



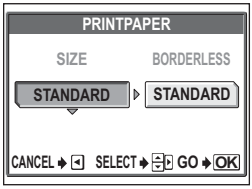
Follow the operation guide displayed here.

Select the print mode.



You can print selected pictures one by one or you can print multiple pictures on a single sheet of paper. ☞P.97

Select the print paper setting.



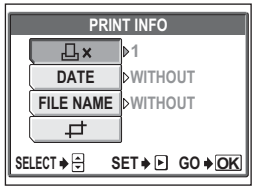
You can select the print paper setting according to your printer and you can select whether to print pictures with a blank frame or not.

Select the picture you want to print.



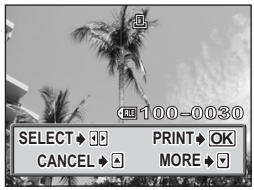
Display the picture you want to print. You can print the currently displayed picture at once or you can make the print reservation and select the other pictures at same time.

Set the printing data.



Set the number of prints, and select whether to print the date and time information or file name on the pictures. You can also trim the picture and save it for printing.

Print pictures.



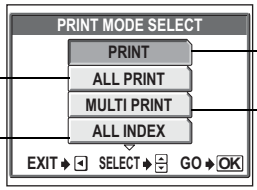
Print the pictures with print reservation.

Selecting the print mode

Select the type of printing (print mode). You can print pictures one by one or multiple pictures on a single sheet of paper.

Press △▽ to select the item you want.

PRINT MODE SELECT screen



Prints all the pictures stored in the card and makes one print for each picture.

Prints selected pictures.

Prints an index of all the pictures stored in the card.

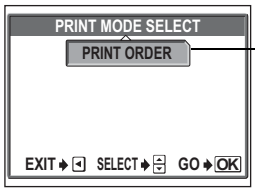
Makes split print with a picture inset in each split-plane.



Example of [ALL INDEX]



Example of [MULTI PRINT]



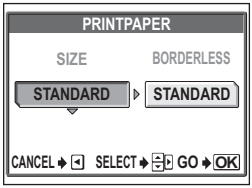
Prints according to the print reservation you made. If there is no picture with print reservation, this is not available. ☞P.102

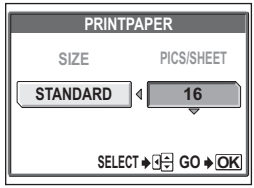
Print modes and settings

The available print modes and settings such as paper size vary depending on the type of printer. For details, refer to the instructions manual for your printer.

Setting the print paper items

This setting varies depending on the type of printer you use. If only the printer's standard setting is available, you cannot change the setting.





SIZE Sets the paper size that the printer supports.
BORDERLESS Selects whether the picture is printed on the entire page or inside a blank frame.
PICS/SHEET Select the number of print same picture on one page. Displayed when you have selected [MULTI PRINT].

Selecting pictures you want to print

Select pictures you want to print. The selected pictures can be printed later (single-frame reservation) or the picture you are displaying can be printed right away.



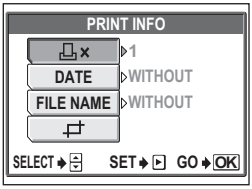
PRINT (OK)
Prints the currently displayed picture. If there is a picture that [SINGLE PRINT] reservation has been already applied to, only the picture with reservation will be printed.

SINGLE PRINT (△)
Applies print reservation to the currently displayed picture. Press ◁▷ to select other pictures if you want to apply reservation for further pictures.

MORE (▽)
Sets whether you print the number of prints and other data of the currently displayed picture.
☞"Setting printing data" (P.99)

Setting printing data

Select whether to print printing data such as the date and time or file name on the picture when printing.



凸×	Sets the number of prints.
DATE	Prints the date and time recorded on the picture.
FILE NAME	Prints the file name recorded on the picture.
⌗	Crops part of the picture and enlarges the uncropped section for printing.

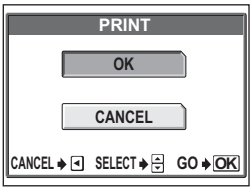
Trimming

You can crop part of a picture and print the uncropped section as a full picture. If the trimmed picture is small, enlarging it may result in graininess when printing it.



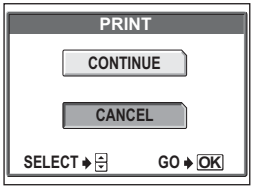
Press △▽◁▷ to move the trimming frame. Press the W side or T side of the zoom button to select the trimming size.

Printing



Print when you have set the pictures for printing and printing data.

OK	Transfers images you print to the printer.
CANCEL	Cancel printing. All print reservation data will be lost. If you want to keep the print reservation data and make other settings, press ◁. This returns you to the previous setting.



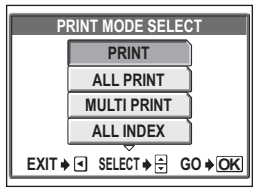
To stop and cancel printing, press MENU.
CONTINUE Continues printing.
CANCEL Cancels printing. All print reservation data will be lost.

Exiting direct printing

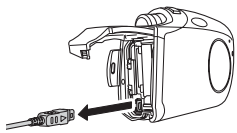
When you have finished printing, disconnect the camera from the printer.

1 **In the [PRINT MODE SELECT] screen, select ◁.**

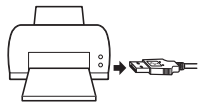
- [REMOVE USB CABLE] is displayed.



2 **Remove the USB cable from the camera.**



3 **Remove the USB cable from the printer.**



If an error code is displayed

If an error code appears on the camera's monitor during direct print setting or printing, see the following table.
For more details, refer to the printer's instruction manual.

Monitor indication	Possible cause	Corrective action
NO CONNECTION	The camera is not connected to the printer correctly.	Disconnect the camera and connect it again correctly.
NO PAPER	There is no paper in the printer.	Load some paper in the printer.
NO INK	The printer has run out of ink.	Replace the ink cartridge in the printer.
JAMMED	The paper is jammed.	Remove the jammed paper.
SETTINGS CHANGED	The printer's paper tray has been removed or the printer has been operated while changing settings on the camera.	Do not operate the printer while changing settings on the camera.
PRINT ERROR	There is a problem with the printer and/or camera.	Turn off camera and printer. Check the printer and remedy any problems before turning the power on again.
CANNOT PRINT	Pictures recorded on other cameras may not be printed on this camera.	Use a computer to print.

TIPS

- If an error code other than those shown above is displayed, see "Error codes" (P.125).

Print settings (DPOF)

How to make print reservations

Print reservation allows you to save printing data (the number of prints and the date/time information) with the pictures stored on the card.
With print reservation, you can print out pictures easily either at home using a personal DPOF-compatible printer or at a print shop that supports DPOF. DPOF is a standard format used to record automatic print information from digital cameras. You can print out pictures automatically, at home or at a photo shop, by storing data, such as which pictures you want to print and the number of prints, on the card.

Pictures with print reservations can be printed using the following procedures.

Printing using a DPOF-compatible photo shop.

You can print the pictures following the print reservation data.

Printing using a DPOF-compatible printer.

Printing is possible directly from the special printer without using a computer. For more details, refer to the printer's instruction manual. A PC card adapter may also be necessary.

TIPS

Relation between printing and record mode when shooting

The resolution of a computer/printer is generally based on the number of dots (pixels) per inch (dpi). Increasing the dpi when printing a picture produces a finer print. However, as the resolution of the picture is not changed, the size of the print will be smaller. You can enlarge the size of the print, but the picture will appear grainy.
If you want to print large, high-quality pictures, set the record mode as high as possible when taking the pictures. ☞"Record mode" (P.21)

Note

- DPOF reservations set by another device cannot be changed by this camera. Make changes using the original device.
- If a card contains DPOF reservations set by another device, entering reservations using this camera may overwrite the previous reservations.
- If there is not enough space in the card memory, you may not be able to enter the reservation data. [CARD FULL] will be displayed.
- You can make DPOF print reservations for up to 999 images per card.
- Even if an image appears with the message [PICTURE ERROR], it may be possible to make print reservations. In this case, the print reservation icon (🖨) does not appear when the image is displayed for full view. 🖨 appears when multiple images are displayed (index display), allowing you to confirm the print reservation.
- Not all functions may be available on all printers, at all print shops, or at all photo labs.
- Print reservation may take a little time when saving printing data to a card.

Flowchart for setting up the print reservations

For print reservation, there are [🖨] to print selected pictures only or [🖨ALL] to print all pictures in the card.

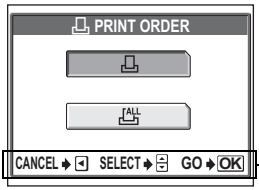


Top menu ▶ [MODE MENU] ▶ [PLAY] ▶ [🖨] ☞"Menus" (P.12)

- For album playback mode: Top menu ▶ [ALBUM MENU] ▶ [🖨]

Select print reservation mode.

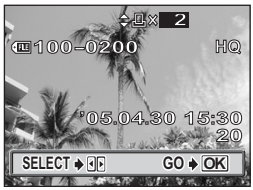




Select making print reservations for only selected picture(s) or all the pictures stored on the card.
☞"Selecting print reservation mode" (P.104)

Follow the operation guide displayed here.

Select the picture(s) you want to print.



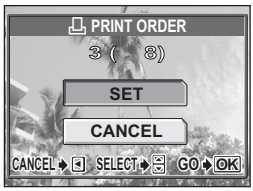
Select the picture to print and set the number of prints. If you selected [ALL], the number of prints will be one and this setting is not available.

Set the printing data.



Select printing the picture without the shooting date and time or with the shooting date or time.

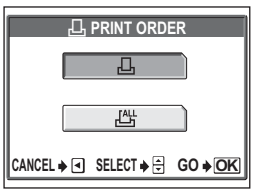
Complete the print reservations.



The printing data such as the number of prints will be stored with the picture on the card.

Selecting print reservation mode

You can select [🖨] or [ALL] for print reservation mode.



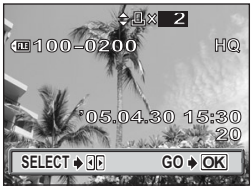
- 🖨 Makes print reservations for only selected picture(s).
- ALL Makes print reservations for all the pictures stored on the card one by one.

If data is already stored on the card

The [🖨PRINT ORDER SETTING] screen appears, giving you the choice of resetting the data or keeping it. ☞"Resetting print reservation data" (P.106)

Selecting the picture to print

Make print reservation for only selected picture(s). Playback the picture you want to print and select the number of prints. You can set the number of prints up to 10. If the number of prints is 0, there is no print reservation data.



◁▷ Select the picture to make the print reservation.
△▽ Set the number of prints.

Setting the printing data

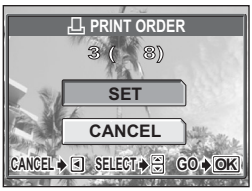
You can print the picture for which you made print reservation with shooting date or time.



NO The pictures are printed without the date and time.
DATE All the selected pictures are printed with the shooting date.
TIME All the selected pictures are printed with the shooting time.

Completing the print reservation

You have two choices that you complete the print reservation or cancel it.



SET Completes the print reservation.
CANCEL Cancel the reservation. All reservation made will be lost. To return to the previous setting, press ◁.

TIPS

What happens to the single-frame reservation stored before the all-frame reservation?
→With the picture reserved by single-frame reservation, the printing data will be stored with each picture.
What happens to the picture shot after the all-frame reservation made?
→The picture shot after print reservation is not included in it. You will need to make a new all-frame reservation.

Resetting print reservation data

This function allows you to reset the print reservation data for pictures stored on the card. You can reset all the print reservation data or just for selected pictures.

Top menu ▶ [MODE MENU] ▶ [PLAY] ▶ [🖨] ☞"Menus" (P.12)

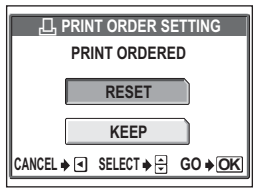
- For album playback mode: Top menu ▶ [ALBUM MENU] ▶ [🖨]

● To reset the print reservation data for all the pictures

1 **Select [RESET] and press ⓞ.**

2 **Press ◁ to return to the playback menu.**

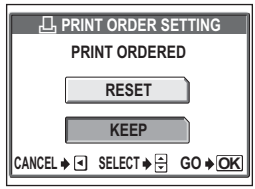
- Press ⓞ to exit the menu.



● To reset the print reservation data for a selected picture

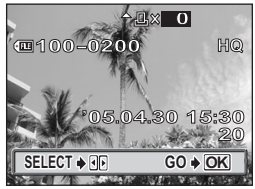
1 **Select [KEEP] and press ⓞ.**

2 **Select [🖨] and press ⓞ.**



3 **Press ◁▷ to display the frame for which you want to reset the print reservation data, then press △▽ to set number of prints to 0.**

- Repeat this procedure if you want to reset for the other picture.



4 **If you are finished resetting print reservation data, press ⓞ.**

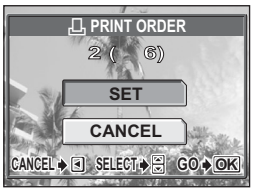
5 **Select [NO], [DATE] or [TIME] and press ⓞ.**

- The selected items will then be saved with the updated print reservation information.



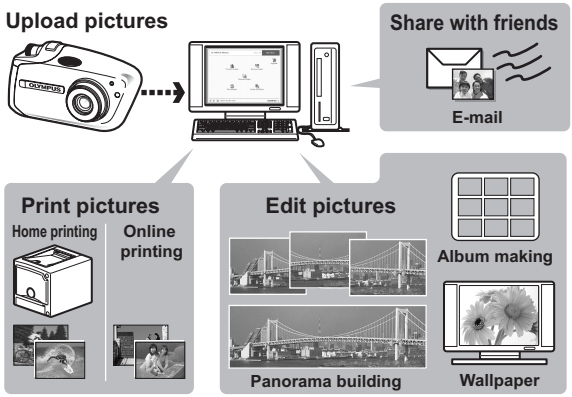
6 **Select [SET] and press ⓞ.**

- The data will be stored.
- To exit the menu, press ⓞ again.



9 Connecting the camera to a computer

Viewing the pictures you have taken on your computer is just one of the many ways you can enjoy your pictures.
You can print out your favorite pictures, use the application software to download your pictures from your camera and edit them, organize them by date or category, or attach them to e-mail and send them over the Internet.
There are all kinds of ways you can use your pictures with a computer. You can run a slideshow, post your pictures on your home page, create an album, or set your favorite picture as your desktop wallpaper.

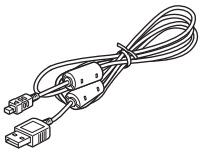


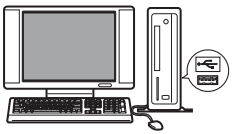
Flow

Using the USB cable provided with your camera, you can connect the camera and computer and download (transfer) the images to your computer using the OLYMPUS Master software, also provided with the camera. Prepare the following items before starting.



OLYMPUS Master CD-ROM


USB Cable


Computer equipped with a USB port

Install the OLYMPUS Master software ☞P.111

↓

Connect the camera to the computer using the USB cable ☞P.114

↓

Start up the OLYMPUS Master software ☞P.116

↓

Download image files to the computer ☞P.118

↓

Disconnect the camera from the computer ☞P.119

? *TIPS*

Viewing and editing downloaded images

→ If you want to process images using graphics applications, make sure you download the images to your computer first. Depending on the software, the image files may be damaged if the images are processed (rotated, etc.) while they are still on the card.

If the data cannot be downloaded from the camera using the USB cable

→ Image files may be downloaded using the optional PC card adapter. For details, visit the Olympus web site at the address shown on the back cover of this manual.

! Note

- If you use the battery, make sure that it has enough power. It is recommended that you use the optional AC adapter when connecting the camera to a computer. The camera does not turn off automatically while it is connected to (communicating with) a computer. If the battery power runs out, the camera will stop whatever operation it is performing. This may result in a computer malfunction, or loss of image data (file) being transmitted.
- Do not open the battery compartment/connector cover or unplug the AC adapter while it is connected to the computer. Doing so could cause the computer to malfunction.
- Connecting the camera to a computer via a USB hub may cause unstable operation if there is any problem with compatibility between the computer and the hub. In this case, do not use a hub, but connect the camera directly to the computer.

Using OLYMPUS Master

For editing and managing image files, install the OLYMPUS Master software from the provided CD-ROM.

What is OLYMPUS Master?

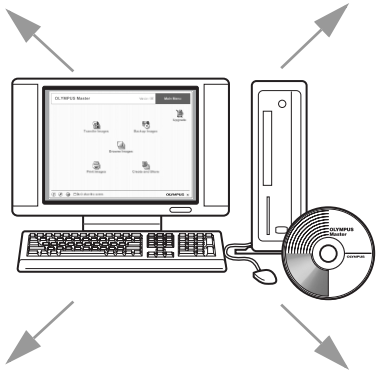
OLYMPUS Master is application software for editing images taken with a digital camera on a computer. Installing it on your computer lets you do the following:

Download images from the camera or other media

Manage images
You can organize your images using the calendar display. Search the image you want by date or keyword.

View images and movies
You can run a slideshow and play back sound.

Edit images
You can rotate images, trim them and change the size.



Edit images with the filter and correction functions

Make panoramic images
You can make panoramic images using pictures taken in panorama mode.

Print images
You can print images and make indexes, calendars and postcards.

For details of functions and operations other than the above, refer to the “Help” guide and OLYMPUS Master reference manual.

Installing OLYMPUS Master

Before installing the OLYMPUS Master software, please confirm that your computer is compatible with the following system requirements. For newer operating systems, please refer to the Olympus web site as shown on the back cover of this manual.

● Operating environment

Windows

OS	Windows 98SE/Me/2000 Professional/XP
CPU	Pentium III 500MHz or later
RAM	128 MB or more (at least 256 MB is recommended)
Hard disk capacity	300 MB or more
Connector	USB port
Monitor	1,024 × 768 pixels, 65,536 colors or more

Note

- Data transfer is only guaranteed on computers with a factory installed OS.
- To install the software in Windows 2000 Professional/XP, you must log on as a user with administrators' privileges.
- Internet Explorer and QuickTime 6 or later should be installed on your computer.
- Windows XP corresponds to Windows XP Professional/Home Edition.
- Windows 2000 corresponds to Windows 2000 Professional.
- If you are using Windows 98SE, the USB driver is installed automatically.

Macintosh

OS	Mac OS X 10.2 or later
CPU	Power PC G3 500MHz or later
RAM	128 MB or more (at least 256 MB is recommended)
Hard disk capacity	300 MB or more
Connector	USB port
Monitor	1,024 × 768 pixels, 32,000 colors or more

Note

- Operation is only guaranteed on a Macintosh when the camera is connected to a computer equipped with a built-in USB port.
- QuickTime 6 or later and Safari 1.0 or later must be installed.
- Be sure to remove the media (drag & drop onto the trash icon) before performing the following operations. Failure to do so could result in unstable computer operation and the need to reboot.
 - Disconnect the cable connecting the camera to the computer
 - Turn off the camera
 - Open the camera's battery compartment/connector cover

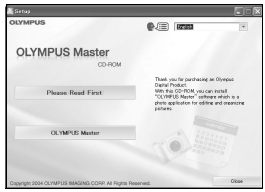
Windows

1 Insert the CD-ROM into the CD-ROM drive.



- The OLYMPUS Master setup screen is displayed.
- If the screen is not displayed, double-click the "My Computer" icon and click the CD-ROM icon.

2 Click the "OLYMPUS Master".



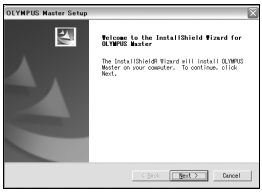
- The QuickTime installation screen is displayed.
- QuickTime is required to use OLYMPUS Master. If the QuickTime screen is not displayed, QuickTime 6 or later is already installed on the computer. In this case, go to step 4.

3 Click "Next" and follow the on-screen instructions.

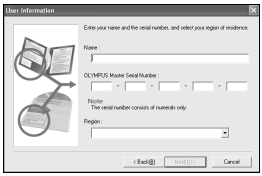


- When the QuickTime licensing agreement is displayed, read the agreement and click "Agree" to proceed with the installation.
- The OLYMPUS Master installation screen is displayed.

4 Follow the on-screen instructions.

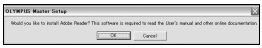


- When the OLYMPUS Master licensing agreement is displayed, read the agreement and click “Yes” to proceed with the installation.



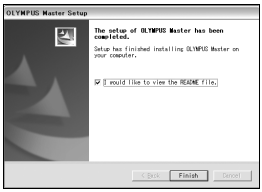
- When the “User Information” dialog box is displayed, enter your “Name” and “OLYMPUS Master Serial Number”; select your region and click “Next”. Refer to the sticker on the CD-ROM package for the serial number.
- When the DirectX licensing agreement is displayed, read the agreement and click “YES”.
- A screen asking whether or not you want to install Adobe Reader is displayed. Adobe Reader is required to read the OLYMPUS Master instruction manual. If this screen is not displayed, Adobe Reader is already installed on your computer.

5 To install Adobe Reader, click “OK”.



- To cancel installation, click “Cancel”. Go to Step 7.
- The Adobe Reader installation screen is displayed. Follow the on-screen instructions.

6 Follow the on-screen instructions.



- The screen confirming that installation is completed is displayed. Click “Finish”.

7 Select the option to restart immediately when the screen asking you if you wish to restart the computer is displayed and click “OK”.

- The computer restarts.
- Remove the CD-ROM from the CD-ROM drive and store it.

Macintosh

1 **Insert the CD-ROM into the CD-ROM drive.**



- The CD-ROM window is displayed.
- If the CD-ROM window is not displayed, double-click the CD-ROM icon on the desktop.

2 **Double-click on the desired language folder.**

3 **Double-click the “Installer” icon.**



- The OLYMPUS Master installer starts up.
- Follow the on-screen instructions.
- When the OLYMPUS Master licensing agreement is displayed, read the agreement and click “Continue” and then “Agree” to proceed with the installation.
- The screen confirming that installation is completed is displayed.

4 **Click “Finish”.**

- The first screen is displayed.

5 **Click “Restart”.**

- The computer restarts.
- Remove the CD-ROM from the CD-ROM drive and store it.

Connecting the camera to a computer

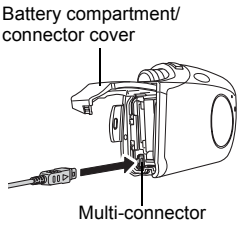
Use the USB cable provided with the camera to connect the camera to your computer.

1 **Plug the USB cable into the USB port on the computer.**

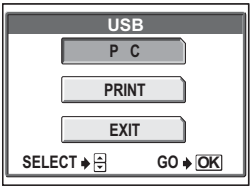
- Refer to your computer’s instruction manual to locate the position of the USB port.

2 Plug the other end of the USB cable into the camera's multi-connector.

- The monitor turns on and the selection screen for the USB connection is displayed.



3 Select [PC] and press ⊛.



4 The camera is recognized by the computer.

- Windows 98SE/Me/2000
 When you connect the camera to your computer for the first time, the computer attempts to recognize the camera. Click "OK" to exit the message that is displayed. The camera is recognized as a "Removable Disk".
- Windows XP
 When the camera is connected to the computer, the screen for selecting an image file operation is displayed. As OLYMPUS Master will be used to download images, click "Cancel".
- Mac OS X
 The iPhoto program is the default application for managing digital images. When you connect your digital camera for the first time, the iPhoto application starts automatically, so close this application and start OLYMPUS Master.

Note

- The camera functions are disabled while the camera is connected to a computer.

Starting up OLYMPUS Master

Windows

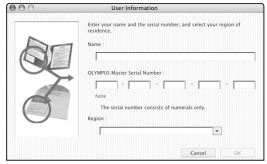
1 **Double-click the “OLYMPUS Master” icon on the desktop.**

- The main menu is displayed.
- When OLYMPUS Master is started up for the first time after installation, the “Registration” dialog box is displayed before the main menu. Follow the prompts and fill in the registration form.

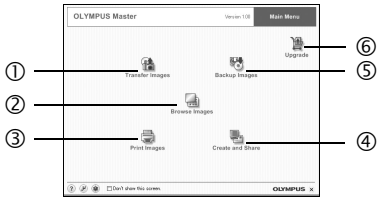
Macintosh

1 **Double-click the “OLYMPUS Master” icon in the “OLYMPUS Master” folder.**

- The main menu is displayed.
- When OLYMPUS Master is started up for the first time, the “User Information” dialog box is displayed before the main menu. Enter your “Name” and “OLYMPUS Master Serial Number”, and select your region.
- After the “User Information” dialog box, the “Registration” dialog box is displayed. Follow the prompts and fill in the registration form.



● OLYMPUS Master main menu



① **“Transfer Images” button**
Downloads images from the camera or other media.

② **“Browse Images” button**
Displays the browse window.

③ **“Print Images” button**
Displays the print menu.

④ **“Create and Share” button**
Displays the editing menu.

⑤ **“Backup Images” button**
Creates backup images.

⑥ **“Upgrade” button**
Displays window for optional upgrade to OLYMPUS Master Plus.

● To exit OLYMPUS Master

1 **Click the “Exit” on the main menu.**

- OLYMPUS Master is exited.

Displaying camera images on a computer

Downloading and saving images

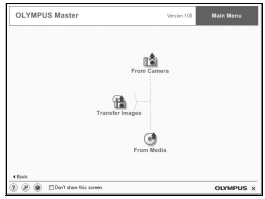
You can save camera images on your computer.

1 **Click “Transfer Images” on the OLYMPUS Master main menu.**

- The menu for selecting the source is displayed.

2 **Click “From Camera”.**

- The window for selecting images is displayed. All the images in the camera are displayed.



3 **Select the image files and click “Transfer Images”.**

- A window indicating that the download is complete is displayed.



4 **Click “Browse images now.”.**

- The downloaded images are displayed in the browse window.
- To return to the main menu, click “Menu” in the “Browse” window.



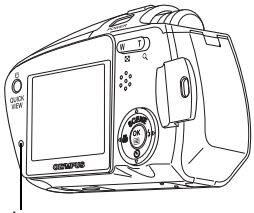
Note

- The lamp on the camera blinks while downloading images. Do not do any of the following while the lamp is blinking.
 - Open the card cover.
 - Remove the battery.
 - Connect or disconnect the AC adapter.

● To disconnect the camera

You can disconnect the camera after downloading the images to your computer.

1 Make sure that the lamp on the camera is lit green.



2 Preparation for disconnecting the USB cable.

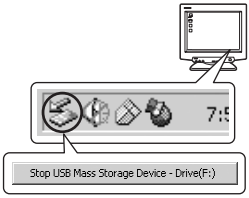
Windows 98SE

1 Double-click the “My Computer” icon and right-click the “Removable Disk” icon to display the menu.
2 Click “Eject” on the menu.



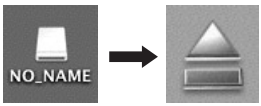
Windows Me/2000/XP

1 Click the “Unplug or Eject Hardware” icon in the system tray.
2 Click the message that is displayed.
3 When a message is displayed saying that the hardware can be ejected safely, click “OK”.

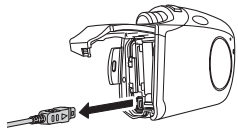


Macintosh

1 The trash icon changes to the eject icon when the “Untitled” or “NO_NAME” icon on the desktop is dragged. Drag and drop it on the eject icon.



3 **Disconnect the USB cable from the camera.**



Note

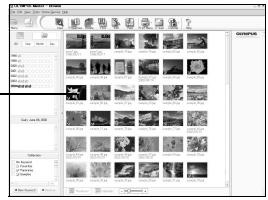
- Windows Me/2000/XP: When you click “Unplug or Eject Hardware”, a warning message may be displayed. Make sure that image data is not being downloaded from the camera and that all applications are closed. Click the “Unplug or Eject Hardware” icon again and disconnect the cable.

Viewing still pictures and movies

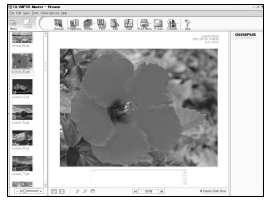
1 **Click “Browse Images” on the OLYMPUS Master main menu.**

- The “Browse” window is displayed.

2 **Double-click the still picture thumbnail that you want to view.**



- The camera switches to view mode and the picture is enlarged.
- To return to the main menu, click “Menu” in the “Browse” window.



● To view a movie

1 **Double-click the movie thumbnail that you want to see in the "Browse" window.**

- The camera switches to view mode and the first frame of the movie is displayed.

2 **To play back the movie, click playback button ▷ at the bottom of the screen.**

The names and functions of the controller parts are shown below.



	Item	Description
1	Playback slider	Move the slider to select a frame.
2	Time display	Displays the time that has elapsed during playback.
3	Playback (pause) button	Plays the movie. Functions as the pause button during playback.
4	Back button	Displays the previous frame.
5	Forward button	Displays the next frame.
6	Stop button	Stops playback and returns to the first frame.
7	Repeat button	Plays the movie repeatedly.
8	Volume button	Displays the volume adjustment slider.

Printing pictures

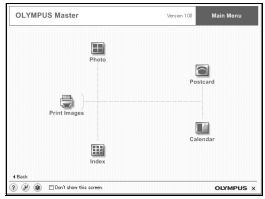
Pictures can be printed from the photo, index, postcard and calendar menus. The explanation below uses the photo menu.

1 **Click "Print Images" on the OLYMPUS Master main menu.**

- The print menu is displayed.

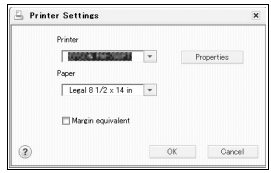
2 Click “Photo” .

- The “Photo Print” window is displayed.



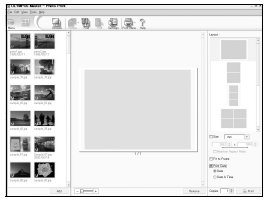
3 Click “Settings” in the “Photo Print” window.

- The printer settings screen is displayed. Make the necessary printer settings.



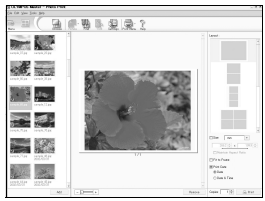
4 Select a layout and size.

- To print the date and time with your image, check the box next to “Print Date”, and select between “Date” and “Date & Time”.

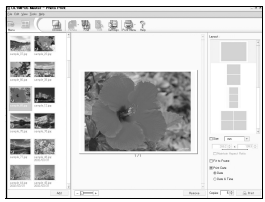


5 Select the thumbnail image that you want to print and click “Add”.

- A preview of the selected image is displayed on the layout.



6 Select the number of copies.



7 **Click “Print”.**

- Printing starts.
- To return to the main menu, click “Menu” in the “Photo Print” window.

To download and save images to a computer without using OLYMPUS Master

This camera is compatible with USB mass storage. You can connect the camera to your computer using the USB cable provided with the camera to download and save images without using OLYMPUS Master. The following environment is required to use the USB cable to connect the camera to your computer.

Windows: Windows 98SE/Me/2000 Professional/XP

Macintosh: Mac OS 9.0 to 9.2/X

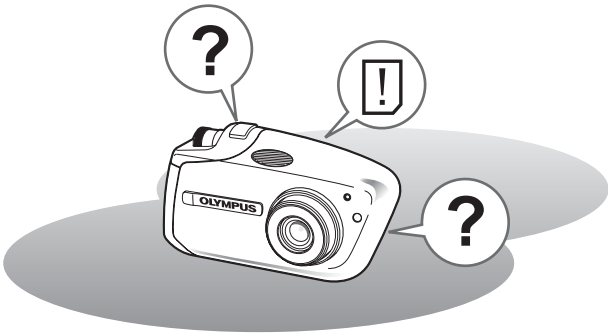
Note

- If your computer is running Windows 98SE, you will need to install the USB driver. Before connecting the camera to your computer with the USB cable, double-click the files from the following folders on the OLYMPUS Master CD-ROM provided.
 (Drive name):\USB\INSTALL.EXE
- Data transfer is not guaranteed in the following environments, even if your computer is equipped with a USB port.
 - Windows 95/98/NT 4.0
 - Windows 98SE upgrades from Windows 95/98
 - Mac OS 8.6 or earlier (However, data transfer is confirmed on Mac OS 8.6 equipped with a factory-installed USB port and USB MASS Storage Support 1.3.5.)
 - Computers with a USB port added by means of an extension card, etc.
 - Computers without a factory-installed OS and home-built computers.

10

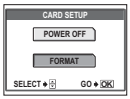
Appendix

This chapter contains useful information from OLYMPUS.
Here you will find what to do when you are stuck or don't understand the meaning of the terms used in this manual. Refer to this section for basic troubleshooting, camera care and a full glossary to understanding the terms used in this manual.



Troubleshooting

Error codes

Monitor indication	Possible cause	Corrective action
NO CARD	The card is not inserted, or it cannot be recognized.	Insert a card, or remove the card and insert it again correctly. If the problem persists, format the card. If the card cannot be formatted, use a new card.
CARD ERROR	There is a problem with the card.	This card cannot be used. Insert a new card.
WRITE-PROTECT	Writing to the card is prohibited.	The recorded image has been protected (read-only) on a computer. Download the image to a computer and cancel the read-only setting.
CARD FULL	The image capacity of the card has been reached and no more pictures can be taken.	Replace the card or erase unwanted pictures. Before erasing, download important images to a computer.
CARD FULL	The card is full. Operations that require saving data such as recording movies, making print reservations, and editing still pictures cannot be performed.	Replace the card or erase unwanted pictures. Before erasing, download important images to a computer.
BATTERY EMPTY	The battery is empty.	Charge the battery.
NO PICTURE	There are no pictures on the card.	The card contains no pictures. Record pictures.
PICTURE ERROR	There is a problem with the selected picture and it cannot be played back on this camera.	Use image processing software to view the picture on a computer. If that cannot be done, the image file is damaged.
CARD-COVER OPEN	The battery compartment/connector cover is open.	Close the battery compartment/ connector cover.
Y/M/D	When the camera is used for the first time or the battery has been removed for a long time, the date and time are on the factory default setting.	Set the date and time.
	This card cannot be used with this camera or the card is not formatted.	Replace the card or format the card. • Select [POWER OFF] and press OK. Insert a new card. • Select [FORMAT] and press OK. All data on the card is erased.

Troubleshooting

● Preparatory operations

Possible cause	Corrective action	Ref. page
The camera does not turn on or function buttons do not respond.		
The power is off.	Press the **POWER** switch to turn the camera on.	–
The battery is exhausted.	Charge the battery.	–
The battery is temporarily unable to function because of the cold.	Warm the battery by putting it in your pocket for a while.	–
The camera is in the sleep mode.	Operate the camera (press the shutter button or zoom button).	–
The camera is connected to a computer.	The camera will not operate while it is connected to a computer.	–

● Shooting

Possible cause	Corrective action	Ref. page
No picture is taken when the shutter button is pressed.		
The battery is exhausted.	Charge the battery.	–
The camera is in the playback mode.	Set the mode dial to a mode other than ▶.	P.9
The flash has not finished charging.	Remove your finger from the shutter button, and wait until the ⚡ (flash charge) indication stops blinking before taking the picture.	P.34
The card is full.	Erase unwanted pictures or insert a new card. Before erasing, download important images to a computer.	P.78
The battery ran out of power during shooting or while the images were being written to the card. The monitor turns off or the battery check indicator blinks.	Charge the battery. Wait until the lamp on the camera turns off when blinking.	–
The memory gauge is full.	Wait until there is space in the memory gauge.	–
There is a problem with the card.	See “Error codes”.	P.125

Possible cause	Corrective action	Ref. page
The monitor is hard to see.		
There is condensation* inside the camera.	Turn the camera off and wait until it dries before turning it on again.	–
The brightness of the monitor is not adjusted properly.	Select [] in the mode menu and adjust the brightness.	P.90
The monitor is exposed to direct sunlight.	Block the sunlight with your hand.	–
Vertical lines appear on the monitor screen during shooting.	Aiming the camera at a bright subject in sunlight may cause vertical lines to appear on the screen. This is not a malfunction.	–
The date recorded with the image data is wrong.		
The date/time is not set.	Set the date/time. The clock adjustment is not factory-preset.	P.91
The camera has been left without a battery.	If the camera is left for 1 day without a battery, the date/time setting is canceled. Set the date/time again.	P.91
The settings are returned to the factory default settings when the camera is turned off.		
[ALL RESET] is set to [ON].	Set [ALL RESET] to [OFF] in the mode menu.	P.82
The picture is out of focus.		
The subject was too close.	Move further away from the subject. To take pictures closer than 20 cm (8") with the zoom in the maximum WIDE position, use the super macro mode.	P.32
Auto focus is not possible.	Use focus lock to focus on the subject and then shoot a picture.	P.19
There is condensation* on the lens.	Turn the camera off and wait until it dries before turning it on again.	–
Colors look strange on the monitor during focusing.		
Colors look strange on the monitor when the shutter button is pressed halfway.	This is not a malfunction. When focusing is successful, the correct colors will be displayed.	–
The monitor goes off.		
The camera is in the sleep mode.	Operate the camera (press the shutter button or zoom button).	–

Possible cause	Corrective action	Ref. page
The flash does not fire.		
The flash is set to [⚡].	Select a flash mode other than [⚡].	P.34
The subject is illuminated.	If you want the flash to fire on a brightly illuminated subject, set the flash to fill-in mode.	P.34
The camera records movies.	The flash does not fire in the movie mode. Select a shooting mode other than 🎥.	P.45
Super macro mode is set.	The flash does not fire in the super macro mode. Set the macro to [🌷 OFF] or [🌷].	P.32
Panorama mode is set.	The flash does not fire in the panorama mode.	P.49
The battery run time is brief.		
You are using the camera in a cold environment.	Battery performance deteriorates in low temperatures. Keep the camera warm by putting it inside your coat or clothing.	–
The remaining battery power is not indicated correctly.	When battery consumption fluctuates considerably, the camera may turn off without displaying the battery warning indicator. Charge the battery.	–

* Condensation: When it is cold outside, the water vapor in the air is rapidly cooled and turns to droplets of water.
Condensation occurs when the camera is suddenly taken from a cold place into a warm room.

● Playback of recorded images

Possible cause	Corrective action	Ref. page
The picture is out of focus.		
A subject unsuited to AF was taken.	Use focus lock to focus on the subject and then shoot.	P.19
The camera moved when the shutter button was pressed.	Hold the camera correctly and press the shutter button gently.	P.18
The flash was set to [⊛] in a lighting condition requiring use of the flash.	Set the flash mode to [AUTO].	P.34
The lens was dirty.	Clean the lens. Use a commercially available blower blush and then wipe with a lens cleaner to remove dust. Mold may form on the lens surface if the lens is left dirty.	P.132
The picture is too bright.		
The flash was set to [ϟ].	Select other than fill-in flash.	P.34
The center of the subject is too dark.	If the center of the subject is too dark, the surrounding area emerges as too bright. Adjust the exposure compensation toward minus (–).	P.40
The [ISO] is too high.	Set the [ISO] to [AUTO] or to a low sensitivity: [64]	P.39

Possible cause	Corrective action	Ref. page
The picture is too dark.		
The flash was blocked by your finger.	Hold the camera correctly, keeping your fingers away from the flash.	P.18
The subject was out of the working range of the flash.	Shoot within the flash working range.	P.34
The flash was set to [⊗].	Select a flash mode other than [⊗].	–
The subject was too small and was backlit.	Set the flash to fill-in mode, or use the spot metering mode.	P.34, 38
The sequential shooting mode was used.	Higher shutter speeds are used during sequential shooting, which may result in pictures that are darker than usual. Set [DRIVE] to [▭] in the mode menu.	P.47
The center of the subject is too bright.	If the center of the subject is too bright, the image as a whole emerges darker. Adjust the exposure compensation toward plus (+).	P.40
The colors of pictures look unnatural.		
Indoor lighting affected the picture's colors.	Set the white balance according to the lighting.	P.41
No white in the picture.	Include something white in the picture, or shoot using the fill-in flash mode.	P.34
The white balance setting is wrong.	Adjust the white balance according to the light source.	P.41
Part of the picture is dark.		
The lens was partly blocked by your finger or the strap.	Hold the camera correctly, keeping your fingers and the strap away from the lens.	P.18

Possible cause	Corrective action	Ref. page
Pictures you have taken do not appear on the monitor.		
The power is off.	Set the mode dial to [▶], then press the **POWER** switch to turn the camera on.	P.9
The camera is in the shooting mode.	Press the **QUICK VIEW** button or set the mode dial to [▶].	P.9, 12
There are no pictures on the card.	[NO PICTURE] is displayed on the monitor. Record pictures.	–
There is a problem with the card.	See “Error codes”.	P.125
The camera is connected to a TV.	The monitor does not function when the AV cable is connected to the camera.	P.74
Single-frame erase and all-frame erase cannot be performed.		
The pictures are protected.	Display pictures with [O-n] and set [O-n] from [MODE MENU] to [OFF] to cancel protection.	P.78
No picture is displayed on the TV when connected to the camera.		
The video output signal is incorrect.	Set the video output signal according to the region where used.	P.75
The TV video signal setting is incorrect.	Set the TV to the video input mode.	P.74
The monitor is hard to see.		
The brightness of the monitor is not adjusted properly.	Select [☼] in the mode menu and adjust the brightness.	P.90
The monitor is exposed to direct sunlight.	Block the sunlight with your hand.	–

● When the camera is connected to a computer or printer

Possible cause	Corrective action	Ref. page
The printer fails to connect.		
[PC] was selected on the monitor after connecting the camera to the printer with the USB cable.	Remove the USB cable, and start again from Step 1 of “Connecting the camera to a printer”.	P.94
The printer does not support PictBridge.	Refer to the printer’s instruction manual or contact the manufacturer.	–
The camera is not recognized by the computer.		
The USB driver has not been installed.	Install OLYMPUS Master.	–

Camera care

● Cleaning the camera

Exterior:

- Wipe gently with a soft cloth. If the camera is very dirty, soak the cloth in mild soapy water and wring well. Wipe the camera with the damp cloth and then dry it with a dry cloth. If you have used the camera at the beach, use a cloth soaked in clean water and well wrung.

Monitor:

- Wipe gently with a soft cloth.

Lens:

- Blow dust off the lens with a commercial blower, then wipe gently with a lens cleaner.

Card, battery and charger:

- Wipe gently with a soft, dry cloth.

Note

- Do not use strong solvents such as benzene or alcohol, or chemically treated cloth.
- Mold may form on the lens surface if the lens is left dirty.

● Storage

- When storing the camera for extended periods, remove the battery, AC adapter and card, and keep in a cool, dry place that is well ventilated.
- Periodically replace the battery and test the camera functions.

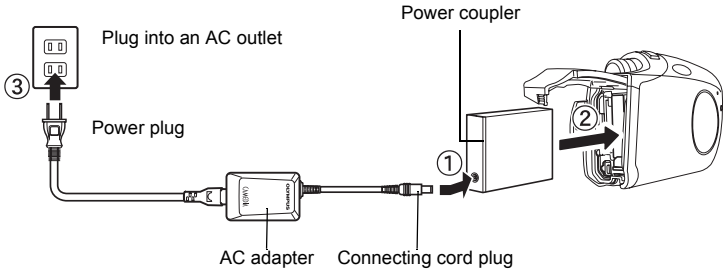
Note

- Avoid leaving the camera in places where chemical products are handled since this may result in corrosion.

AC adapter (optional)

In addition to the lithium ion battery provided with the camera, you can also use the specified AC adapter with a power coupler (sold separately). An AC adapter is useful for time-consuming tasks such as picture downloads. Use only the specified AC adapter (sold separately).

Connect in the order shown (① to ③).



Note

- To disconnect the AC adapter, reverse the above sequence.
- If the battery power runs out while the camera is connected to a computer or printer, the image data may be lost or damaged. It is recommended that you use the optional AC adapter when connecting the camera to a computer or printer. Do not connect or disconnect the AC adapter while the camera is connected to a computer or printer.
- Do not remove or load the battery or connect or disconnect the AC adapter while the camera is turned on. Doing so could affect the camera's internal settings or functions.
- Do not insert or eject the card when the connecting cord plug of the AC adapter is plugged into the power coupler. To insert or eject the card, be sure to remove the power coupler from the camera.
- The AC adapter can be used within the range of AC100V to AC240V (50/60Hz). When using the AC adapter abroad, you may need a plug adapter to convert the plug to the shape of the electrical outlet. For details, ask at your local electrical shop or travel agent.
- Do not use voltage converters sold in stores when traveling overseas as this could damage your AC adapter.
- The camera loses its weatherproof capability when the AC adapter is used.
- Be sure to read the instruction manual for the AC adapter.

Safety Precautions

Caution for Usage Environment

- To protect the high-precision technology contained in this product, never leave the camera in the places listed below, no matter if in use or storage:
 - Places where temperatures and/or humidity are high or go through extreme changes. Direct sunlight, beaches, locked cars, or near other heat sources (stove, radiator, etc.) or humidifiers.
 - In sandy or dusty environments.
 - Near flammable items or explosives.
 - In wet places, such as bathrooms or in the rain. When using products with weatherproof designs, read their manuals as well.
 - In places prone to strong vibrations.
- Never drop the camera or subject it to severe shocks or vibrations.
- When mounted on a tripod, adjust the position of the camera with the tripod head. Do not twist the camera.
- Do not touch electric contacts on cameras.
- Do not leave the camera pointed directly at the sun. This may cause lens or shutter curtain damage, color failure, ghosting on the CCD, or may possibly cause fires.
- Do not push or pull severely on the lens.
- Before storing the camera for a long period, remove the battery. Select a cool, dry location for storage to prevent condensation or mold from forming inside the camera. After storage, test the camera by turning it on and pressing the shutter release button to make sure that it is operating normally.
- Always observe the operating environment restrictions described in the camera's manual.

Battery Handling Precautions

- Olympus lithium ion batteries are intended for use only with Olympus digital cameras. To find out whether your camera can be used with these batteries, read your camera's manual.
- Always charge lithium ion batteries before using them for the first time, or if they have not been used for a long period.
- When operating the camera with battery power at low temperatures, try to keep the camera and spare batteries as warm as possible. Batteries which run down at low temperatures may be restored after they are warmed at room temperature.
- Before using a rechargeable battery, be sure to read the instructions.
- The number of pictures you can take may vary depending on the shooting conditions or battery.
- Before going on a long trip, and especially before traveling abroad, purchase an ample supply of extra batteries. A recommended battery may be difficult to obtain while traveling.

Card handling precautions

- The card is a precision electronic device. Do not bend it or subject it to impact and keep it away from static electricity. The data stored on the card is saved in a nonvolatile semiconductor memory, but it can be accidentally destroyed.
- Do not expose the card to water or leave it where there is a lot of dust.
- Avoid using or storing the card in places of high temperature and high humidity.
- Avoid using near heat-generating or combustible materials.
- Fingerprints or dirt on the card contacts may prevent correct reading/writing of data. Wipe the contacts gently with a soft dry cloth.
- **The card has a limited product life. Eventually, writing or erasing data from the card no longer becomes possible.**
- **Olympus is not responsible for any damage to data saved in other media or loss of data stored on the card.**

LCD Monitor

- Do not push the monitor forcibly; otherwise the image may become vague, resulting in a Display mode failure or damage to the monitor.
- A strip of light may appear on the top/bottom of the monitor, but this is not a malfunction.
- When a subject is viewed diagonally in the camera, the edges may appear zigzagged on the monitor. This is not a malfunction; it will be less noticeable in playback mode.
- In places subject to low temperatures, the LCD monitor may take a long time to turn on or its color may change temporarily. When using the camera in extremely cold places, it is a good idea to occasionally place it in a warm place. An LCD monitor exhibiting poor performance due to low temperatures will recover in normal temperatures.
- **The LCD used for the monitor is made with high-precision technology. However, black spots or bright spots of light may appear constantly on the LCD Monitor. Due to its characteristics or the angle at which you are viewing the monitor, the spot may not be uniform in color and brightness. This is not a malfunction.**

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- Olympus makes no representations or warranties regarding any damages, or benefit expected by using this unit lawfully, or any request from a third person, which are caused by the inappropriate use of this product.
- Olympus makes no representations or warranties regarding any damages or any benefit expected by using this unit lawfully which are caused by erasing picture data.

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FCC Notice

- Radio and Television Interference
 Changes or modifications not expressly approved by the manufacturer may void the user's authority to operate this equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
 This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.
 However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
 - Adjust or relocate the receiving antenna.
 - Increase the distance between the camera and receiver.
 - Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
 - Consult your dealer or an experienced radio/TV technician for help. Only the OLYMPUS-supplied USB cable should be used to connect the camera to USB enabled personal computers (PC).

Any unauthorized changes or modifications to this equipment would void the user's authority to operate.

Glossary of terms

CCD (Charge-Coupled Device)
This converts light passing through the lens into electrical signals. On this camera, light is picked up and converted into RGB signals to build a single image.

Conventional Photograph
This refers to recording images using silver halide (the method for recording images in conventional, non-digital photography). This system is in contrast to still video and digital photography.

DCF (Design Rule for Camera File System)
A standard for image files by the Japan Electronics and Information Technology Industries Association (JEITA).

DPOF (Digital Print Order Format)
This is for saving desired print settings on digital cameras. By entering which images to print and the number of copies of each, the user can easily have the desired images printed by a printer or print lab that supports the DPOF format.

ESP (Electro-Selective Pattern) Light Metering/Digital ESP Light Metering
This determines the exposure by metering and calculating the light levels in the center and other areas of the image separately.

Exposure
The amount of light used to capture an image. The exposure is determined by the time the shutter is open (shutter speed) and the amount of light that passes through the lens (aperture).

Image size
The size of an image expressed by the number of pixels that make up the image. For instance, a picture taken with an image size of 640 × 480 fills the computer screen when the monitor setting is 640 × 480. However, if the monitor setting is 1,024 × 768, the picture only takes up part of the screen.

ISO
A method for indicating film speed by the International Organization for Standardization (ISO) (ex. “ISO100”). Higher ISO values indicate greater sensitivity to light, so images can be exposed even in low-light conditions.

JPEG (Joint Photographic Experts Group)
A compression format for still images. Photographs (images) shot using this camera are recorded onto the card in JPEG format. By downloading these images to a personal computer, users can edit them using graphics application software or view the images using an Internet web browser.

NTSC (National Television Systems Committee) / PAL (Phase Alternating Line)
Television formats. NTSC is mainly used in Japan, North America and Korea. PAL is mainly used in Europe and China.

PictBridge
A standard for connecting digital cameras and printers of different makers and printing out pictures directly.

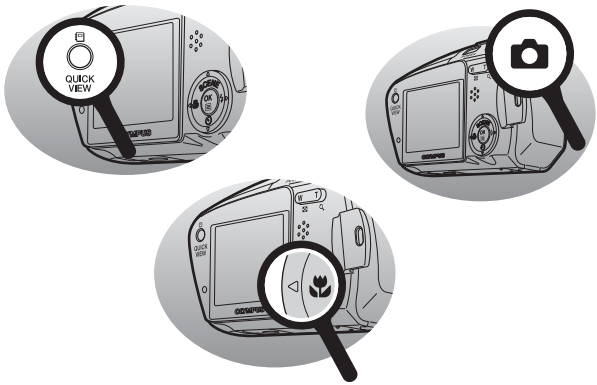
Pixels
A pixel is the smallest unit (dot) used to make up an image. Clear large-sized printed images require millions of pixels.

Sleep Mode
A mode designed to save battery life. The camera automatically enters the sleep mode if you do not operate it for a certain time. To exit the sleep mode, use any button on the camera (shutter button, arrow pad, etc.).

TFT (Thin-Film Transistor) Color Monitor
A transistor color monitor constructed using thin-film technology.

11 Miscellaneous

This chapter contains all the camera functions described in Chapters 1 to 9. Refer here for the names of the camera parts and buttons, the names and meanings of the icons that are displayed on the monitor, and the lists of the top menus and mode menus.
An index also helps you find the pages where a function or item that you are looking for appears. For effective use of the manual, reference page numbers are listed next to the names of the camera parts and in the menu lists.



Menu list

● Shooting mode menus (📷)

Top menu	Tab	Function	Setting	Ref. page
MODE MENU	CAMERA	ESP/ ⊙	ESP/⊙	P.38
		DRIVE	□/□	P.47
		ISO	AUTO/64/100/200/400	P.39
		DIGITAL ZOOM	OFF/ON	P.31
		AF MODE	iESP/ SPOT	P.37
		🎤	OFF/ON	P.52
		PANORAMA		P.49
		2 IN 1		P.51
		📊	OFF/ON	P.42
	CARD	FORMAT	YES/NO	P.80
	SETUP	ALL RESET	OFF/ON	P.82
		🗣*1		P.83
		PW ON SETUP	SCREEN: OFF/1/2/3	P.84
			VOLUME: OFF/LOW/ HIGH	
		COLOR	NORMAL/BROWN/BLUE/ BLACK	P.86
		🔊	OFF/LOW/HIGH	P.86
		SHUTTER SOUND	OFF/1/2/3	P.87
			LOW/HIGH	
		REC VIEW	OFF/ON	P.87
		FILE NAME	RESET/AUTO	P.88
		PIXEL MAPPING		P.89
				P.90
				P.91
		VIDEO OUT	NTSC/PAL	P.75
±			-2.0 ~ 0.0 ~ +2.0	P.40
			SHQ/HQ/SQ1/SQ2	P.21
WB			AUTO/☀/☁/-☀-/ ☀1/☀2/☀3	P.41

*1 Available languages vary depending on the area where you purchased this camera.

● Shooting mode menus (🎥)

Top menu	Tab	Function	Setting	Ref. page
MODE MENU	CAMERA	ESP/⊙	ESP/⊙	P.38
		ISO	AUTO/64/100/200/400	P.39
		DIGITAL ZOOM	OFF/ON	P.31
	CARD	FORMAT	YES/NO	P.80
	SETUP	ALL RESET	OFF/ON	P.82
		🗣 *1		P.83
		PW ON SETUP	SCREEN: OFF/1/2/3	P.84
			VOLUME: OFF/LOW/HIGH	
		COLOR	NORMAL/BROWN/BLUE/BLACK	P.86
		🔊	OFF/LOW/HIGH	P.86
		FILE NAME	RESET/AUTO	P.88
		PIXEL MAPPING		P.89
				P.90
				P.91
		VIDEO OUT	NTSC/PAL	P.75
±			-2.0 ~ 0.0 ~ +2.0	P.40
◀			HQ/SQ	P.22
WB			AUTO/☀/☁/☀/☀1/☀2/☀3	P.41

*1 Available languages vary depending on the area where you purchased this camera.

● Playback mode menus ([▶]) (still pictures)

Top menu	Tab	Function	Setting	Ref. page
MODE MENU	PLAY	🔑	OFF/ON	P.78
			+90°/ 0°/-90°	P.57
			🖨 /🖨	P.102
				P.72
		INFO	OFF/ON	P.76
			OFF/ON	P.77
	EDIT	SOFT FOCUS	SOFT FOCUS/CANCEL	P.68
		FISHEYE	FISHEYE/CANCEL	P.68
		BLACK & WHITE	BLACK & WHITE/ CANCEL	P.69
		SEPIA	SEPIA/CANCEL	P.69
			640 × 480/320 × 240/ CANCEL	P.70
			/CANCEL	P.70
	CARD	ALL ERASE	YES/NO	P.79
		FORMAT	YES/NO	P.80
	SETUP	ALL RESET	OFF/ON	P.82
		*1		P.83
		PW ON SETUP	SCREEN: OFF/1/2/3	P.84
			VOLUME: OFF/LOW/ HIGH	
		SCREEN SETUP	OK/CANCEL	P.85
		COLOR	NORMAL/BROWN/BLUE/ BLACK	P.86
		VOLUME	OFF/LOW/HIGH	P.86
			OFF/LOW/HIGH	P.86
				P.90
				P.91
		VIDEO OUT	NTSC/PAL	P.75
			4/9/16/25	P.55
			NORMAL/FADER/SLIDE/ WINDOW	P.56
ALBUM ENTRY			SEL. IMAGE/SET CALENDAR/SET ALL/ CANCEL	P.60
ERASE			YES/NO	P.79

*1 Available languages vary depending on the area where you purchased this camera.

● Playback mode menus ([▶]) (movies)

Top menu	Tab	Function	Setting	Ref. page
MODE MENU	PLAY	O-n	OFF/ON	P.78
		INFO	OFF/ON	P.76
	EDIT	INDEX	INDEX/CANCEL	P.73
	CARD	ALL ERASE	YES/NO	P.79
		FORMAT	YES/NO	P.80
	SETUP	ALL RESET	OFF/ON	P.82
		*1		P.83
		PW ON SETUP	SCREEN: OFF/1/2/3	P.84
			VOLUME: OFF/LOW/HIGH	
		COLOR	NORMAL/BROWN/BLUE/BLACK	P.86
		VOLUME	OFF/LOW/HIGH	P.86
			OFF/LOW/HIGH	P.86
				P.90
				P.91
		VIDEO OUT	NTSC/PAL	P.75
			4/9/16/25	P.55
MOVIE PLAYBACK				P.58
ALBUM ENTRY			SEL. IMAGE/SET CALENDAR/SET ALL/CANCEL	P.60
ERASE			YES/NO	P.79

*1 Available languages vary depending on the area where you purchased this camera.

● Playback mode menus (▶) For album playback mode

Top menu	Tab	Function	Setting	Ref. page
ALBUM MENU		SEL. ALBUM	-	P.62
			OFF/ON	P.78
		*2	+90°/ 0°/-90°	P.57
		SELECT TITLE IMAGE	OK/CANCEL	P.66
		*2	/	P.102
		VOLUME	OFF/LOW/HIGH	P.86
				P.90
		VIDEO OUT	NTSC/PAL	P.75
*2/MOVIE PLAYBACK*3				P.56, 58
UNDO ENTRY			SEL. IMAGE/ UNDO ALL/CANCEL	P.63
ERASE			SEL. IMAGE/ALL ERASE/ CANCEL	P.65

*2 Not displayed with movies.
*3 Not displayed with still pictures.

List of factory default settings

The functions are set as follows when the camera leaves the factory.

● **Shooting mode**

Zoom	Wide
Scene mode	PROGRAM AUTO
,	OFF
	OFF
Flash	: AUTO :
	HQ
	0.0
WB	AUTO
ESP/	ESP
DRIVE	
ISO	AUTO
DIGITAL ZOOM	OFF
AF MODE	SPOT
(still pictures)	OFF
	OFF
SHUTTER SOUND	1 - LOW
REC VIEW	ON
FILE NAME	RESET

● **Playback mode**

	OFF
	0°
	Off
INFO	OFF
	OFF
VOLUME	LOW
	9

● **Album playback mode**

	OFF
	0°

● **Others**

ALL RESET	ON
	ENGLISH
PW ON SETUP	SCREEN: OFF, VOLUME: OFF
COLOR	NORMAL
	NORMAL
	Y-M-D 2005.01.01 00:00
VIDEO OUT	NTSC or PAL*
	LOW

* Setting differs according to the region where the camera is sold.

Scene and shooting functions

Some settings may not be available depending on the scene mode.
For details, refer to the table below.

Function \ Scene mode	P							
	✓							
s	✓	–					✓	
	✓							
	✓							
QUICK VIEW	✓							
Optical zoom	✓							
	✓							
	✓							
WB	✓							
ESP/	✓							
DRIVE	✓				–		✓	
ISO	✓							
DIGITAL ZOOM	✓							
AF MODE	✓							
(still pictures)	✓							
PANORAMA	✓							
2 IN 1	✓							
	✓							
FORMAT	✓							
ALL RESET	✓	–						
	✓							
PW ON SETUP	✓							
COLOR	✓							
	✓							
SHUTTER SOUND	✓							
REC VIEW	✓							
FILE NAME	✓							
PIXEL MAPPING	✓							
	✓							
	✓							
VIDEO OUT	✓							

✓: Available —: Not available

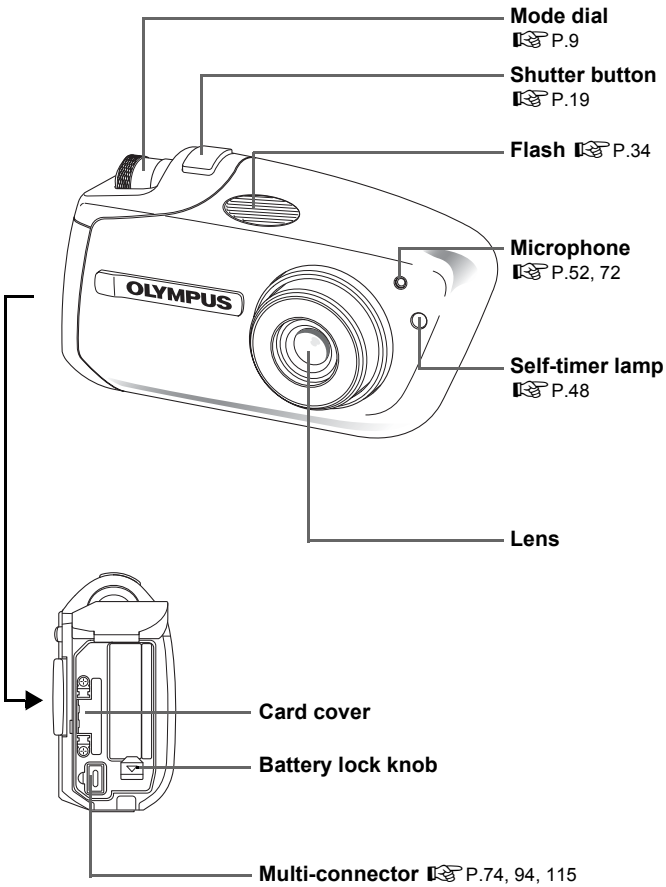
Function \ Scene mode								
	✓							
	–	✓	–	✓		–		✓
	✓	–	✓		–			
	✓							
QUICK VIEW	✓							
Optical zoom	✓*1							
	✓*2							
	✓							
WB	✓							
ESP/	✓*3							
DRIVE	✓				–			
ISO	✓							
DIGITAL ZOOM	✓	–	✓					
AF MODE	✓*4							–
(still pictures)	✓							–
PANORAMA	✓	–	✓					–
2 IN 1	✓							–
	✓							–
FORMAT	✓							
ALL RESET	–							✓
	✓							
PW ON SETUP	✓							
COLOR	✓							
	✓							
SHUTTER SOUND	✓							–
REC VIEW	✓							–
FILE NAME	✓							
PIXEL MAPPING	✓							
	✓							
	✓							
VIDEO OUT	✓							

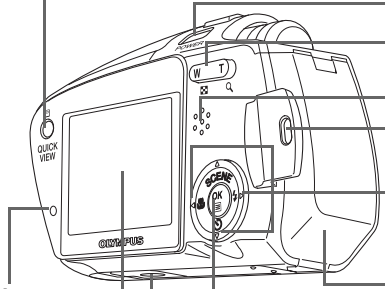
✓: Available —: Not available

*1 When camera set to , zoom locked to wide-angle. When set to , zoom available only between shots.
*2 When camera set to or , only [1280 × 960], [1024 × 768], or [640 × 480] of SQ2 available.
*3 When camera set to , only [ESP] available.
*4 When camera set to or , only [iESP] available.

Names of parts

Camera





QUICK VIEW button
☞P.10

Album playback button (▣) ☞P.59

POWER switch

Zoom button
☞P.30, 54

Speaker

Strap eyelet

Lamp
☞P.119

Battery compartment/ connector cover
☞P.74, 94, 115

OK/Menu button (OK MENU)
☞P.12, 15

Tripod socket

Monitor
☞ P.90, 152

Arrow pad



The Arrow pad can be used to set the macro mode, flash mode, and other settings. It can also be used as directional keys.
☞"Direct buttons" (P.10)

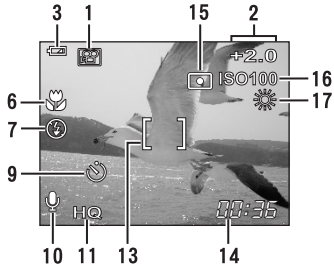
Monitor indications

The [INFO] setting allows you to select how much information to display on the screen. Screens with the information display set to [ON] are shown below.
☞"Information display" (P.76)

● Shooting modes



Still picture

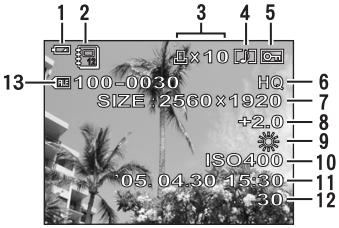


Movie

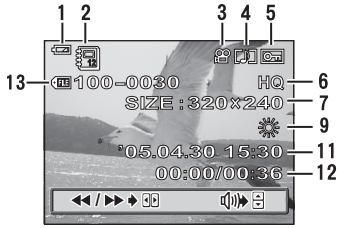
	Item	Indications	Ref. page
1	Scene mode/ Shooting mode	P, , , , , , , , , , , , ,	P.26 P.9
2	Exposure compensation	-2.0 – +2.0	P.40
3	Battery check	,	–
4	Green lamp	○	P.19
5	Flash stand-by Camera movement warning, Flash charge	(Lights) (Blinks)	P.35
6	Macro mode Super macro mode	 S	P.32
7	Flash mode	, ,	P.34
8	Drive	,	P.47
9	Self-timer		P.48
10	Sound record		P.52
11	Record mode	SHQ, HQ, SQ1, SQ2, SQ	P.21

	Item	Indications	Ref. page
12	Image size	2560 × 1920, 2048 × 1536, 1280 × 960, etc.	P.22
13	AF target mark	[]	P.19
14	Number of storable still pictures Remaining recording time	30 00:36	P.22 P.22, 45
15	Spot metering	[•]	P.38
16	ISO	ISO64, ISO100, ISO200, ISO400	P.39
17	White balance	☼, ☁, ☼, ☼1, ☼2, ☼3	P.41
18	Memory gauge	▮, ▮, ▯, ▯	–

● Playback mode



Still picture



Movie

	Item	Indications	Ref. page
1	Battery check	,	–
2	Album		P.66
3	Print reservation/ number of prints	×10	P.102
	Movie		P.58
4	Sound record		P.52, 72
5	Protect		P.78
6	Record mode	SHQ, HQ, SQ1, SQ2, SQ	P.21
7	Image size	2560 × 1920, 2048 × 1536, 1280 × 960, etc.	P.22
8	Exposure compensation	-2.0 – +2.0	P.40
9	White balance	WB AUTO, , , , , ,	P.41
10	ISO	ISO64, ISO100, ISO200, ISO400	P.39
11	Date and time	'05.04.30 15:30	P.91
12	Frame number Playing time/Total recording time	30 00:00/00:36	P.102 P.58
13	File number	100 – 0030	P.88

Note

- The indications that appear on a movie picture that has been selected and displayed from the index display are different from those that appear when the movie picture is displayed using the movie playback function.

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